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Spring 1932 Edition

# HOLLAND - AMERICAN SEED COMPANY

24 Fulton Street

Grand Rapids, Mich.



A Fine Lawn Grown From Our Fancy Mixed Lawn Grass Seed.

## OUR POLICIES AND SERVICES

### To Our Friends and Customers:

We take great pleasure in presenting you with this, our 1932 illustrated catalog and price list. We have taken great pains in its preparation and it is our hope that it will serve you faithfully.

We wish to thank our customers for the support they have given us during the past year, and hope that they will continue their pleasant relations with us. We will try at all times to give the best and most careful service which we can possibly render. It is our sincere desire to build our reputation on quality seeds, prompt service, and square dealing. We believe these are the chief factors in building up a successful business.

We especially solicit your mail orders. These will receive our most prompt and careful attention. We also urge you to send these orders in early.

You are assured of our most hearty co-operation in helping you solve any problem that may confront you, and we urge you to feel free to advise with us at any time.

Very respectfully yours,

HOLLAND-AMERICAN SEED COMPANY.

### Non-Warranty

The seeds offered in this price list have been carefully grown, selected, cleaned and tested for germination and we believe them to be first class, but as so many conditions enter into making a crop, such as weather conditions, etc., of which we have no control, we give no warranty, either express or implied, as to description, purity or productiveness of any Seeds, Bulbs, or Plants we send out and will not be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and if paid for the money will be refunded.



Pencil Pod Black Wax Beans.

## Vegetable Seeds

All the varieties listed in the Vegetable Seed Department are those of known merit. Seeds are from stock grown especially for seed and have been tested for germination. We have varieties especially attractive for the market gardener and others for the home garden.

### ASPARAGUS

Plant the seed early, keep the weeds cleared out, with the rows any convenient distance apart. One ounce will sow 50 feet of drill.

**PALMETTO.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**CONOVER'S COLOSSAL.** The good old standard variety, especially for canning. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**MARTHA WASHINGTON.** This variety is especially rust resisting, and we especially recommend it. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**MARY WASHINGTON.** This strain is by far the best of the Washington varieties. It is extra large and very rust resisting. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

### ASPARAGUS ROOTS

Asparagus roots may be purchased in the Spring. Plant them in rich soil 3 or 4 inches deep in rows of any convenient width. You can save at least a year and a half by planting our healthy, 2-year-old roots. 60 plants will plant 100 feet of row.

**PALMETTO.** 2-year-old, 25c per doz.; \$1.50 per 100; \$10.00 per 1000.

**CONOVER'S COLOSSAL.** 2-year-old, 25c per doz.; \$1.50 per 100; \$10.00 per 1000.

**MARTHA WASHINGTON.** 2-year-old, 35c per doz.; \$2.00 per 100; \$12.00 per 1000.

## BEANS

### Dwarf Wax or Butter Beans

Sow in rows 2 to 3 feet apart, plant about 8 inches apart in the rows. Cover about 2 inches. One pound of seed will sow 100 feet of row; one bushel (60 lbs.), to the acre.

**PENCIL POD BLACK WAX.** This is a handsome black wax sort and is medium early; a good Bean for market gardeners whose trade is nearby and who desire a Bean of high quality. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

**GOLDEN WAX.** An old-time favorite. Pods are of medium length and of medium color. Bears in 45 to 50 days. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

**DAVIS KIDNEY WAX.** A very showy variety and is largely grown for the canning factories. It has a long, straight pod of beautiful waxy color. Splendid yielder. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

**UNRIVALLED WAX.** This variety is becoming more popular every season. Pods are 5 to  $5\frac{1}{2}$  inches long, of a rich yellow color. Very tender and a great yielder. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

### Dwarf Green Poddled Varieties

These varieties are very rich in flavor and slightly harder. Sow in rows 2 to 3 feet apart. Plant about 8 inches apart in the rows. Cover about 2 inches. One pound of seed will sow 100 feet of row; one bushel will sow an acre.

**REFUGEE or 1000-to-1.** Variety of excellent flavor and very prolific. It is a sure cropper and makes wonderful records. Crop matures in about 75 days. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

**BURPEE'S STRINGLESS GREEN POD.** Plants grow from 12 to 15 inches high, very erect and productive. Pods round and about 5 inches long, absolutely stringless and very tender. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

**GIANT STRINGLESS GREEN POD.** From its introduction it has been a favorite. Pods about 5 inches long, dark in color, very brittle and absolutely stringless. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

### Pole Beans

Pole Beans require more care than Bush Beans, but bear for a longer period and are generally more productive. Plant hills 2 to 3 feet apart and 3 or 4 beans in every hill. One-half pound to 100 feet of row; 30 pounds to the acre.

**DUTCH CASEKNIFE** (Snyboonen). The most prolific white-seeded Pole Bean. It bears white, kidney-shaped beans and is one of the best for Winter use. Pkt., 5c and 10c; lb., 35c; pk., \$4.50; bu., \$15.00.

**KENTUCKY WONDER.** Long, thick, meaty pods, with deeply saddled back. Entirely stringless. Pkt., 5c and 10c; lb., 30c; pk., \$3.00; bu., \$10.00.

### Lima Beans

**BURPEE'S BUSH LIMA.** Beans are large and of excellent quality. One of the best sorts. Pkt., 5c and 10c; lb., 40c; pk., \$5.00; bu., \$15.00.

**KING OF THE GARDEN** (Pole Lima). Somewhat later than the Bush Limas, but very prolific. Pkt., 5c and 10c; lb., 40c; pk., \$5.00; bu., \$15.00.

**HENDERSON'S BUSH LIMA** (Baby Lima). One of the smaller-seeded sorts but the most prolific of all the Bush Limas. Somewhat earlier than the other varieties and bears all the time. Pkt., 5c and 10c; lb., 35c; pk., \$4.50; bu., \$15.00.



Burpee's Stringless Green Pod.

## BEETS

### Table Varieties

Rich soil is very important in growing table Beets. Plant the seed as early as possible and dig young. Do not allow them to become overgrown.

**DETROIT DARK RED.** Very early; medium size; globe-shaped; dark red skin. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**SELECT DETROIT DARK RED.** An improved strain of this popular variety. Fine for table beets for home and market garden and for canning. Very dark red. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**EARLY BLOOD TURNIP BEET.** Our standard variety with bright red flesh. It is a good keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**CRIMSON GLOBE.** Same as Detroit Dark Red only a lighter shade of red. Slightly zoned with white. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**EARLY ECLIPSE.** One of the earliest varieties. Round and slightly pointed in shape. Quick growing and tender. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**CROSBY'S EGYPTIAN.** An early variety of bright red color; tender and of fine quality. Very uniform in size. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

### Swiss Chard or Spinach Beet

Cooked like spinach greens. The leafy portion of Swiss Chard is of most excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

### Mangel Wurzels

**MAMMOTH LONG RED.** The most popular red. Often called Giant or Jumbo. Often weighs 30 lbs. each. Very prolific. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

### BROCCOLI

A plant of the cauliflower family which, after the first head has been harvested, produces branching sprouts on which are small, loose heads, two inches or so in diameter, which are cooked like cauliflower. The flavor is delicate and delicious.

**ITALIAN GREEN SPROUTING.** Pkt., 10c; oz., 70c;  $\frac{1}{4}$  lb., \$2.00; lb., \$7.00.

### BRUSSELS SPROUTS

A member of the Cabbage family. The sprouts are nothing more than miniature cabbages which grow closely together on the stalks. Plants grow from 2 to 3 feet high and are cultivated the same as cabbage. One-quarter ounce to one hundred feet of row.

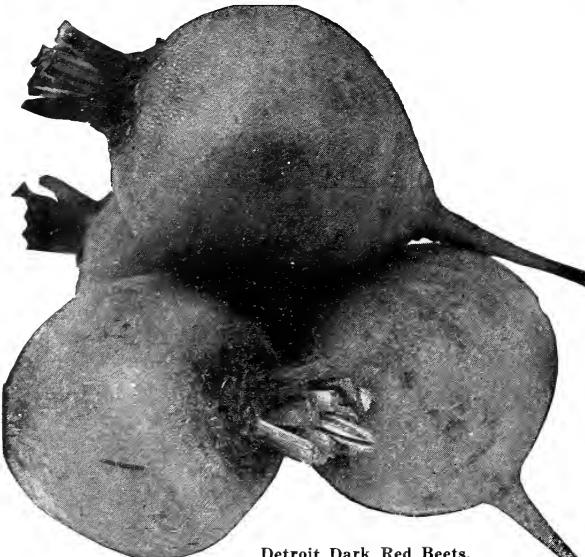
**PERFECTION.** Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**DANISH PRIZE.** Especially tall grower. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

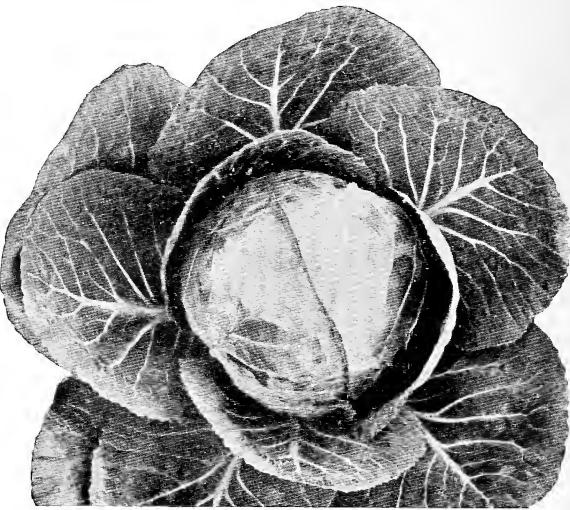
## CABBAGE

We carry a complete line of cabbage seed, especially those varieties adapted to the market gardeners. One ounce of seed will produce 2000 plants.

**EARLIEST OF ALL.** This new strain of the Copenhagen type has all the qualities that make it desirable for early market use. It produces good sized, round solid heads about ten days earlier than other early varieties. Give it a trial. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.



Detroit Dark Red Beets.



Golden Acme Cabbage.

**COPENHAGEN MARKET.** One of the very best early sorts with solid heads and very marketable. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**EXTRA EARLY JERSEY WAKEFIELD.** One of the old standard varieties of early cabbage, solid heads, generally pointed at the end with but few outer leaves. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**GOLDEN ACRE.** A new introduction. One of the earliest cabbages in existence. The most important new cabbage introduced in years. Matures round hard heads eighty days from time of sowing seed. Excellent for the market gardener. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**SELECT GOLDEN ACRE.** A special strain of the above variety grown from fully developed heads. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75; lb., \$7.00.

**DANISH BALLHEAD.** Very popular in this section of the country. Very solid, round head with short stem. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**LARGE LATE FLAT DUTCH.** It has a very short stem and is of very compact growth. Free from tendency to burst, solid heads, flat, bluish-green color. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**AMERICAN SAVOY.** Crimped leaves and is more tender, milder and of sweeter flavor than the smooth leaved varieties. Great variety for the gardener. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**CHINESE or CELERY CABBAGE.** The heads are about a foot long and 3 or 4 inches in diameter. Can be used any way that cabbage or cauliflower or lettuce is used. Very tender and mild flavor. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

### Red Cabbage

**MAMMOTH ROCK RED.** The largest of the red cabbages and a sure header. Heads round, very solid, weighing 8 to 12 pounds. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

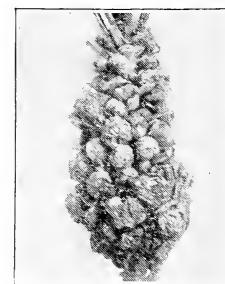
**RED HOLLAND EXPORT.** An early variety, dark red, solid heads. Excellent shipper. Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**EARLY DARK RED.** Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**DANISH DARK RED.** Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.



Swiss Chard or Spinach Beet.



Brussels Sprouts.



Early Snowball Cauliflower.

## CAULIFLOWER

Although one of the most delicious vegetables, little grown except by professional gardeners because of the erroneous notion that it is hard to grow. Every gardener should grow cauliflower whether professional or not.

**EARLY SNOWBALL.** This is the earliest of the standard varieties. Not so large but pure white color, sure to head. Pkt., 10c; oz., \$2.00; 1/4 lb., \$6.00; lb., \$18.00.

**EARLY SIX WEEKS.** Another early variety. Pkt., 10c; oz., \$2.00; 1/4 lb., \$6.00; lb., \$18.00.

**DRY WEATHER or DANISH GIANT.** This new strain originated in Denmark. Produces large, solid, pure white heads that mature later than Early Snowball. Especially adapted to dry situations. Pkt., 10c; oz., \$2.00; 1/4 lb., \$6.00; lb., \$18.00.

**THE TRUCKERS' EARLIEST FAVORITE.** This variety is in much demand by the market gardeners on account of its earliness and nice, white heads. A good seller on the retail markets. Give it a trial. Pkt., 10c; oz., \$2.50; 1/4 lb., \$8.00; lb., \$25.00.

## CARROTS

Every garden should have carrots. Our carrot seed is the best that money can buy. One ounce of seed will sow 100 feet of row; four pounds of seed for an acre.

### TABLE VARIETIES

**PRIDE OF DENMARK** (Coreless). A very handsome carrot of fine quality. The carrots are about 6 to 7 inches in length by 1 to 1 1/2 inches in diameter, nearly cylindrical in shape. Very smooth and of an attractive orange color. Very crisp and sweet and practically coreless. A good seller on the retail markets. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

**DANVERS HALF LONG.** A broad-shouldered carrot of about 7 to 8 inches in length; smooth skin, and excellent for cooking. Price, pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.

**CHANTENAY.** An excellent bunching carrot. An early main crop sort for the market gardener. About 5 to 6 inches long. Rich orange color. Pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.

**OXHEART.** A stocky sort, usually about 4 inches long. Flesh bright orange; fine grain and sweet flavor. Pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.

**RED-CORED CHANTENAY.** This is a distinct improvement over the well known Chantenay. Roots are from 5 to 6 inches long and very uniform and smooth. Rich orange color with very small core. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

### STOCK FEEDING VARIETY

**LARGE YELLOW BELGIAN.** This is one of the best varieties for feeding stock; very prolific and easy to grow. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 80c.

## CELERY

Celery seed is slow to germinate and ample time must be given. Sow thinly, cover lightly, keep constantly moist. Count on about 7,500 plants per ounce of seed or 1/4 lb. per acre.

**GOLDEN SELF BLANCHING** (French Grown). Extra select strain. Our seed of this variety comes to us every season direct from the originator in France. As an early seller it is a leading sort on all markets. Pkt., 10c; oz., \$1.25; 1/4 lb., \$4.50; lb., \$16.00.

**SOUP or CUTTING.** This variety is principally used in soups and chop suey, etc. Has excellent flavor when cooked. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

**CELERIAC or TURNIP ROOTED CELERY.** Forms a turnip-shaped root with flavor of celery. Splendid for stews, soups, etc. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00. **OLD CELERY SEED FOR FLAVORING.** Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

## CUCUMBERS

The plants are tender and planting should be delayed until settled weather. Two ounces of seed for one hundred hills; two pounds for an acre.

**DAVIS PERFECT.** Deep green in color, rather long, averaging about 10 inches, and rather slender; flesh fine quality. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**IMPROVED WHITE SPINE.** The most popular variety among the slicers. It is of medium length, tapering and shades to a lighter green at the end. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**EARLY GREEN CLUSTER.** A good slicing variety and when ready for the table it is about 3 to 5 inches long. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**IMPROVED LONG GREEN.** An almost seedless variety; excellent for slicing and will carry well to market. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**CHICAGO PICKLING.** A very prolific variety, having all the qualities desired by those who raise cucumbers for commercial pickles. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**BOSTON PICKLING.** Very prolific. The fruits are short, smooth, and bright green. Excellent quality for medium sized pickles. Ready in fifty days. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**GERKIN.** The most delicious small fruited variety. Used only for pickling; from 2 to 3 inches long, covered with sharp spines. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

## CRESS

**CURLED or PEPPER GRASS.** Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 75c.

**WATER CRESS.** Pkt., 10c; oz., 40c; 1/4 lb., \$1.10; lb., \$4.00.

## CHIVES

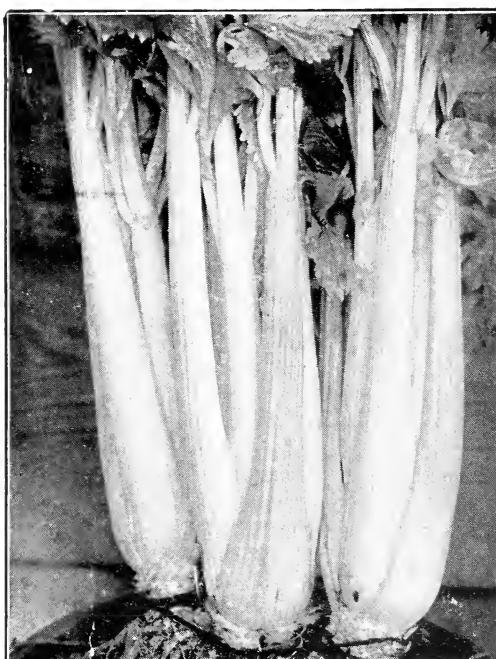
An onion-like plant used as a salad and for flavoring soups. Pkt., 5c; oz., 50c; 1/4 lb., \$1.75; lb., \$6.00.

## COLLARDS

**GEORGIA or SOUTHERN.** The standard variety of Collards planted in every section. Sow seeds as for cabbage. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.00.

## CORN SALAD or LAMB'S LETTUCE

A most refreshing salad, especially for Winter use. Can also be cooked and used like spinach. One ounce will plant a row 50 feet long. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., \$1.00.



New Golden Self Blanching Celery.

## SWEET CORN

We offer the leading varieties that are adapted to both market gardener and the owner of the private garden. Sweet corn seed weighs forty to fifty pounds to the bushel according to variety, therefore we quote by pound instead of by measure.

**BANTAM EVERGREEN.** This new variety is nearly the size of Evergreen, with the Golden Bantam color and flavor. Especially recommended by the Michigan State College. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**CHARLEVOIX.** A medium early variety of the highest quality. Fine for home and market garden. Light golden yellow ears from 6 to 7 inches long; 12 rows. Plants commonly bear 2 ears. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; 50 lbs., \$10.00.

**GOLDEN BANTAM.** This popular variety is dwarf growing and has very regular golden yellow kernels; sweet and tender. Ready to use in seventy days. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**GOLDEN GEM.** This is the earliest yellow sweet corn on the market. It produces about the same size ear as the Golden Sunshine variety but it is about a week earlier. Fine for market gardeners on account of its earliness. Fine quality corn and an excellent addition to the home garden. Pkt., 5c and 10c; lb., 40c; 5 lbs., \$1.75.

**EARLY EVERGREEN.** This new variety is identical in flavor, shape, and size with Stowell's Evergreen, but about ten days earlier. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**EARLY MINNESOTA.** This is one of the old standbys of the early varieties. Ears about 8 inches long and eight rows; sweet, tender kernels. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**BLACK MEXICAN.** This corn when in condition for the table is clear white, but the ripe grain is bluish-black. For family use it is a most desirable second early sort. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**COUNTRY GENTLEMAN.** Finest and sweetest of all corn for the table. It can be identified easily by the irregular arrangement of the kernels. Rarely ever produces less than 3 ears to the stalk; ears 8 to 9 inches in length. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**STOWELL'S EVERGREEN.** This is the old standby for main crop variety. Our strain is large eared, hardy, and productive. Pkt., 5c and 10c; lb., 25c; 5 lbs., \$1.00; 50 lbs., \$7.00.

**NEW EARLY GOLDEN BANTAM.** The same as the regular Golden Bantam but it is about a week earlier and therefore in great demand by market gardeners. Early corn brings high prices. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; 50 lbs., \$10.00.

**EARLY SURPRISE.** This is considered by many as the earliest White Sweet Corn. It produces medium size ears of excellent flavor. Be sure to plant some of this corn. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.50; 50 lbs., \$10.00.

**NEW GOLDEN SUNSHINE.** A new yellow variety which has proven very satisfactory. The ears are larger than the regular Golden Bantam and it matures earlier. Highly recommended for market gardeners. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; 50 lbs., \$10.00.



Stowell's Evergreen.

## DILL SEED

Leaves and seed heads are used in making dill pickles and for flavoring soups. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

## ENDIVE

One of the best salads for Fall and Winter use. Also delicious for greens and flavoring soups and stews. One ounce of seed to about 300 feet of row.

**MOSS CURLED.** One of the favorites in this section of the country for market gardeners as well as the owners of private gardens. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**GREEN CURLED.** A fine market sort. Has tender green leaves which branch white. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**BROAD LEAVED BATAVIAN.** Leaves large and broad, slightly curled. Tie up for blanching. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

## KALE or BORECOLE

Kale is very easily grown and much hardier than any cabbage. Splendid greens for early Fall, Winter, or Spring use. One may start cutting Kale in 55 to 60 days, but flavor is improved by a good frost in the Fall. Sowing may be as late as August 1st. One ounce of seed to 300 feet of drill.

**TALL GREEN CURLED SCOTCH.** Grows about 2 feet high. Leaves dark green and finely curled. Very hardy. When leaves are of fair size pull off and use the lower ones and let the balance grow on and furnish continuous supply. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**DWARF GREEN CURLED SCOTCH.** Leaves very curly, rich green; remarkably tender and delicate in flavor. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

## KOHL-RABI

Sweeter and a finer flavor than turnips and cooked in the same way. Sow the seed in the Spring and again in June and July. For continuous supply sow every two or three weeks. Kohl-rabi is most tender when the roots are less than two to three inches in diameter.

**EARLY WHITE VIENNA.** Flesh white and tender. Excellent forcing variety. Ready for the table in sixty days. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.00.

**EARLY PURPLE VIENNA.** Fine flavored and tender, with pure white flesh; skin of purple color. Ready for the table in 65 days. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.00.

## EGGPLANT

Sow the seed in the hotbed in March. Transplant when 3 inches high. Requires rich soil.

**NEW YORK PURPLE.** The general variety for both market and private use, and is a standard sort for both North and South. Fruit oval, color dark purple. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

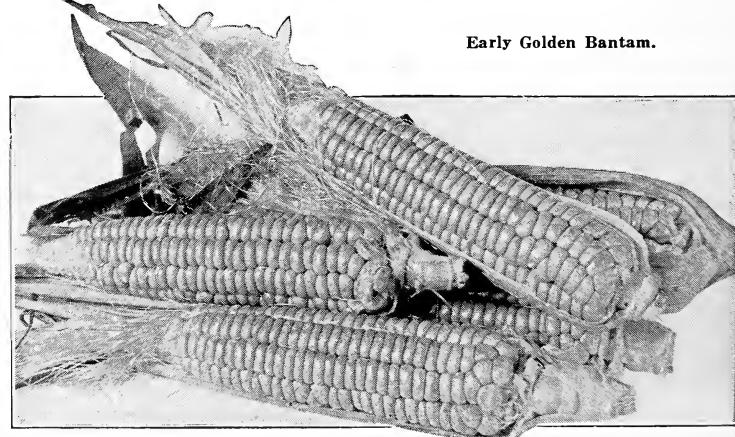
**BLACK BEAUTY.** Extremely popular in this section of the country, and is very early; in fact the earliest good market variety. Ready for the table in 135 days. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

## LEEK

**AMERICAN FLAG.** Broad leaves; a strong and vigorous grower; very hardy; ready for the table in 85 days. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

## POP CORN

**AUSTRALIAN HULLESS.** The quality pop corn. Also known in some sections as Japanese Rice, Tom Thumb or Bumblebee. Excellent flavor. Entire absence of hull or shell when popped. Per pound, 25c.



Early Golden Bantam.

## LETTUCE

To have the best lettuce, it should be kept growing rapidly. A light rich soil will do this. It must have plenty of sunlight and moisture. One ounce will sow 125 feet of drill and produce 3000 plants, four pounds to the acre.

### CURLED OR LOOSE LEAVED VARIETIES

**GRAND RAPIDS FORCING.** This variety of curled or loose leaved lettuce is especially adapted to greenhouse culture in the Winter. This superior lettuce is of rapid upright growth and may be planted close; not liable to rot. Will stand several days after being ready to cut without injury. An excellent shipper. Especially recommended by the Michigan State College. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**BLACK SEEDED SIMPSON.** A splendid loose or curled leaf variety that is very popular with market and home gardeners. Always reliable and easily grown under glass, in cold frame or in open ground. Ready for market in forty-five days. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**EARLY CURLED SIMPSON.** Early erect growing, but somewhat smaller than the preceding. Largely planted for outdoor crop. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

### HEADING VARIETIES

**PRIZEHEAD.** This old standard variety is still the best of the large thin-leaved clustering sorts for the home gardener. Is not a good variety to ship. Leaves are crimped, bright green, tinged with brownish red at the edge. Exceedingly tender. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**BIG BOSTON.** One of the greatest favorites. It is a large cabbage variety, forming a big yet compact, tender and crisp head of rich yellow color inside. Equally good for open ground or forcing; a favorite sort with all planters. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**ICEBERG.** One of the very best summer-growing varieties. Makes a firm hard head with strong incurved ribs blanching the heart leaves to a creamy whiteness. A winner for the home gardener. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

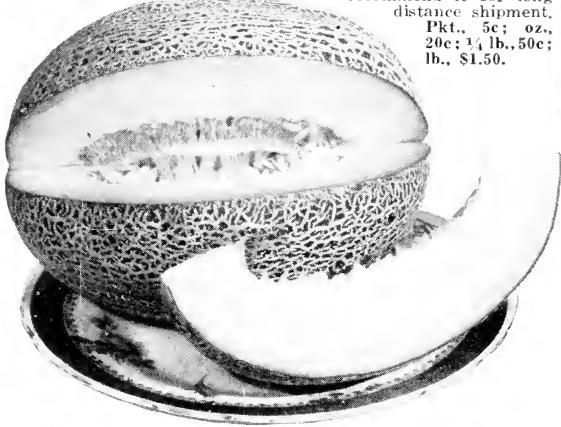
**ROMAINE or COS LETTUCE.** This type of lettuce grows upright loose folding heads, and the inner leaves bleach white. It is preferable to tie up the heads to assist bleaching. Very crisp and sweet. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## MUSKMELON

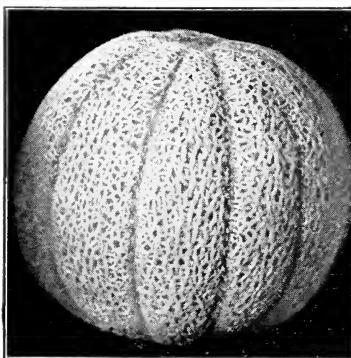
### ORANGE FLESH VARIETIES

**LAKE CHAMPLAIN.** Generally known as the earliest melon in America. Flesh is thick and very sweet. We do not recommend it for long distance shipment.

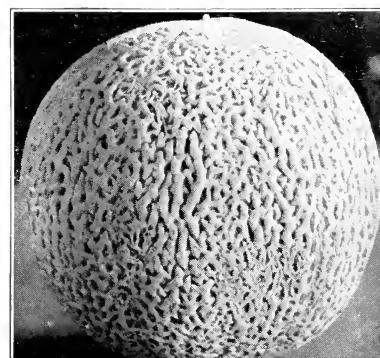
Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.



Select Osage Melon.



Hearts of Gold Melon.



Sugar Rock Melon.



Grand Rapids Forcing Lettuce.

**SUGAR ROCK or HONEY ROCK.** A new variety of great merit. The flesh is of an attractive orange color and very sweet. It is of medium size and ripens a trifle later than the Hearts of Gold. The melons are heavily netted and have a tough rind which makes them very desirable for long distance hauling or shipping. This melon on account of its wonderful sweetness will soon be the leading variety. Do not fail to raise a few this year. Retail market gardeners will find this a very profitable melon to grow. Michigan grown seed. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**SELECT OSAGE.** We give particular attention to our strain of Osage melons. The seeds are carefully selected from stock that is particularly true to type. Medium size, oval, slightly ribbed, dark green, and nicely netted. An excellent variety for market. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**STANDARD QUALITY OSAGE.** This is field run seed grown from selected stock and is equal to the general quality of seed offered; much superior to Western grown seed. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HEARTS OF GOLD.** We consider this the finest main crop basket melon in existence. Hearts of Gold is a medium early melon and ripens at the same time as our Select Osage. Flesh is thick, tender, a beautiful salmon color, very sweet and delicious; ribbed and covered with dense netting. An excellent shipper, bringing top prices on all markets. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**TIP TOP.** Its appearance on the market is very attractive. Sells on sight. The melons are large size, nearly round, evenly ribbed and moderately netted. Flesh deep salmon, sweet and spicy. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**BENDER'S SURPRISE.** Fine flavor, large size, and earliness combine to make this melon a great favorite. Introduced by Mr. Bender, well known New York melon grower. Oval shape, cross netted, flesh deep orange. A good shipper. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

### GREEN FLESH VARIETIES

**EXTRA EARLY HACKENSACK.** Ten days earlier than the old Hackensack. Fruit round, flattened at the ends, irregularly ribbed and heavily netted. Green flesh and of excellent flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**ROCKY FORD or NETTED GEM.** The melon that made Rocky Ford, Colorado, famous. An excellent market sort of the small basket melon type. Melons are uniform in size and shape, being slightly oval. Netting fine and prominent. Light green flesh, rich spicy flavor. The seed we offer is of the best stock. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## MUSTARD

Easy to grow. Sow in drills of 12 to 15 inches apart. Cover lightly.

**GIANT SOUTHERN CURLED.** One of the best standard sorts. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**WHITE ENGLISH.** The leaves are a light green; mild and tender when young. Seed large light yellow and used extensively for flavoring pickles, preserves, etc. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



Kleckley's Sweet Watermelon.

## WATERMELON

A light sandy soil with good exposure to the sun is the best for Watermelons. Should be prepared deep, but receive shallow cultivation. Hoe frequently and thoroughly. One ounce of seed is required for forty hills, three or four pounds will plant an acre.

**IRISH GRAY.** Uniform in size and closely resembles Kleckley's Sweet, except color is a yellowish gray. Flesh is very sweet and firm without hard center. A very good shipper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**SWEETHEART.** Our strain is the best sweet-hearted kind for home and market use. Fruit large, oval, light green; flesh bright red, crisp, and exceedingly sweet. Good shipper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**COLE'S EARLY.** This excellent melon is the best early sort for family use and the home market. Medium size; bright red flesh; very sweet. Not a good shipper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**HARRIS' EARLIEST.** The best shipper in the early class. The skin is mottled with green and white. Flesh is dark red, sweet, juicy, and crisp. Average 9 to 15 lbs. Matures in seventy-five days. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**KLECKLEY'S SWEET or MONTE CRISTO.** This popular standard variety is the sweetest of all. On account of its crispness and tender flesh it is not recommended for shipping. For home use and nearby markets it has no equal. Color very dark green. Seeds are white and close to the rind. Flesh a pure scarlet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**TOM WATSON.** This main crop sort is always a great money maker, having readiest sale on all markets. Excellent for long distance shipping. It is a long green variety; flesh is superb quality, and intensely red in color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**PEERLESS or ICE CREAM.** This old standard is the best general cropper for the home market. Medium early. Melons are light green mottled, large size, oblong in shape; flesh bright scarlet, solid to the center; excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**GOLDEN HONEY.** This is the popular golden flesh variety. Fruit medium large, oblong, a rind of dark green color. Excellent for home garden and exhibit purposes. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.10.

## CITRONS

Used for making preserves. Flesh is thick and color white and makes preserves of excellent quality. Cultivation similar to watermelon. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

## OKRA or GUMBO

Excellent for soups, stews, etc. Much liked when pickled. Plant in hills 2 feet apart each way.

**WHITE VELVET.** Pods round, smooth, and have a white velvety appearance. Very tender; superior flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

## ONION SEED

Be very careful about preparing the soil. It should be pulverized and smooth. The richer the soil the bigger the crop. Sow the seed in rows 12 to 15 inches apart. Cover  $\frac{1}{2}$  inch deep. One ounce will sow about 150 feet of drill. 4 to 5 lbs. to the acre.

**MICHIGAN YELLOW GLOBE.** Onions large, globe-shaped, with white flesh, mild and juicy. Outward skin beautiful yellow color. Ideal market onion. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**YELLOW GLOBE DANVERS.** This standard variety is one of the best of the yellow small-necked varieties. Excellent yielder and a good market sort. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**RED WETHERSFIELD.** Outer skin is rich deep purplish red, smooth and glossy. Flesh white and slightly tinged with rose. A good keeper and shipper. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**PRIZETAKER.** A very satisfactory onion to grow for seed planting. Much larger than Globe Danvers under ordinary conditions. Will mature in 130 to 140 days. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

**SILVERSKIN or WHITE PORTUGAL.** A mild, pleasant flavored onion, somewhat flattened in shape. Popular for general use. Matures quickly. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**SOUTHPORT YELLOW GLOBE.** Flesh white, mild flavor, large in size and an excellent keeper. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**SOUTHPORT RED GLOBE.** Just the right size to command highest market price. Darker skin and better keeper than any other strain of Southport. Excellent keeper. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**SOUTHPORT WHITE GLOBE.** Differs from other Southports in color only. Skin pure white. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**WHITE QUEEN.** A very good early pickling variety. Somewhat flattened in shape, pure white. One to  $1\frac{1}{2}$  inches in diameter. Delicate flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**EARLY WHITE WELSH.** Used extensively for green onions. It forms no bulbs. The shoots attain marketable size very quickly and sell at top prices. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

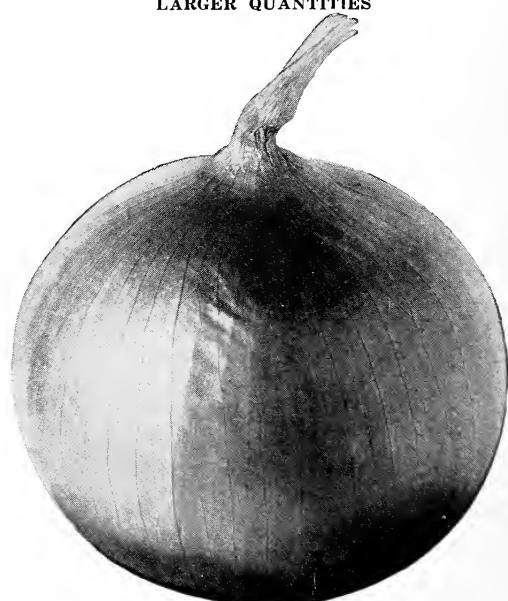
## ONION SETS

**WHITE SILVERSKIN SETS.** Market gardeners plant these white sets in large quantities. Quart, 20c.

**YELLOW ONION SETS.** Medium size fine dry sets. Planted extensively for market or home use. Quart, 20c.

**YELLOW MULTIPLIERS.** Also called Shallots. A favorite for the home gardener. Superior flavor. These do not form large onions for market, but are planted for green onions only. Very productive. Quart, 25c.

WRITE FOR PRICES ON ONION SETS IN LARGER QUANTITIES



Southport Yellow Globe Onion.

# PEAS

Peas are the most valuable main crop for the market gardeners. We list only the best varieties of perfect value. One lb. of seed to 50 feet of row, 120 to 180 lbs. per acre.

## EARLY VARIETIES

**ALASKA.** Very desirable pea for market, dark green pods, and good shipper. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**AMERICAN WONDER.** The earliest wrinkled pea. Vine 10 to 12 inches high. Very prolific; excellent flavor. Recommended for family use. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**LITTLE GEM.** An early dwarf pea for market and family use. Pods large and crowded with 6 to 9 peas. A little dwarf pea for canners. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**LITTLE MARVEL.** Vines grow very even, about 15 inches high, bearing good sized pods, frequently in pairs. Good seller on all markets. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**NOTT'S EXCELSIOR.** One of the most popular varieties for the home garden. Is also very desirable for the market gardener. Pods are well filled and peas are of delicious flavor. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**THOMAS LAXTON.** The leading market sort in this section. Peas a deep green, wrinkled and very sweet. A popular seller on all markets, ready for market in 58 days. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**LAXTONIAN.** Another early large podded variety which is becoming more popular every year. Does not grow very tall and produces large pods filled with peas of the finest quality. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**DWARF TELEPHONE.** Grows about two feet high; vine and foliage dark green and quite stout. Pods are large, straight and pointed and filled with 8 to 9 dark green peas of the very best quality. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

## LATE AND MEDIUM VARIETIES

**TELEPHONE.** A leader with market gardeners. Perfect main crop sort known to everybody. A sure cropper. Our strain is the very best. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**ALDERMAN.** This fine new pea is of the Telephone type excepting the pods are of darker color. Highly recommended to market gardeners as a splendid yielder. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**CHAMPION OF ENGLAND.** One of the earliest and best in cultivation. Pods are of good size and well filled. Produced in great abundance. Cannot be overpraised as a standard late sort. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**EVERBEARING.** Produces well filled pods, three inches long and light green color. Bears a long season. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.



Thomas Laxton Peas.

**WHITE MARROWFAT.** Heavy yielding late variety, seeds are large, smooth and yellowish white. Dry peas are fine for cooking. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**DWARF GRAY SUGAR (Dutch Peultjes).** Medium early, hardy and very productive. Seeds are gray-brown color and somewhat wrinkled. Pkt., 5c and 10c; lb., 30c; 5 lbs., \$1.25; pk., \$2.50; bu., \$9.00.

**PEANUTS**

Peanuts can be easily and successfully grown in this section; very interesting. Let the children grow some.

**NEW MAMMOTH BUSH.** This Peanut does exceedingly well in the North. 18 inches high. They are good producers and do best in light, sandy soil. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c.

**EARLY SWEET.** This variety is very easy to raise and very early. The nuts are exceedingly sweet and rich when roasted. Light, sandy soil suits them. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c.

**PARSLEY**

**CHAMPION MOSS CURLED.** The best known and most popular variety. Ours is a selected strain. Pkt., 5c; oz., 15c;  $\frac{1}{2}$  lb., 35c; lb., \$1.00.

**HAMBURG TURNIP ROOTED.** The root which resembles a small parsnip is the edible portion of this variety. Used for flavoring soups, etc. Foliage used the same as Parsley. Pkt., 5c; oz., 15c;  $\frac{1}{2}$  lb., 35c; lb., \$1.00.

**PARSNIP**

**HOLLOW CROWN.** This is the most popular variety and a great cropper. Long white roots, tender and sugary. Pkt., 5c; oz., 10c;  $\frac{1}{2}$  lb., 25c; lb., 75c.



Little Gem Peas.

## PEPPERS

Peppers like a light, rich, warm soil. They require about the same treatment as tomatoes. One ounce is sufficient for 1500 plants,  $\frac{1}{2}$  lb. to transplant an acre.

**HARRIS EARLY GIANT.** A wonderful large pepper of excellent, mild flavor. The plants are strong and covered from top to bottom with extra large peppers, measuring 5 inches high and  $3\frac{1}{2}$  inches through. A very valuable Pepper for the market. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**CHINESE GIANT.** The fruits are of monstrous size. The shape is round and blocky. Very blunt nose. Flesh is thick and entirely free from any fiery flavor. Much used in salads. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**LARGE BELL or BULL NOSE.** An old standard market sort because of its good size, shape and appearance. Very hardy, matures early, fruit is bright red at maturity. Flesh is thick and of somewhat pungent taste. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**RUBY KING.** This popular variety is grown everywhere. Large fruits, 4 to 6 inches long, 3 to 4 inches thick. Flesh is thick, crisp and tender. Flavor is pungent though it is considered a sweet pepper. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**HARRIS EARLIEST.** Particularly popular in this section of the country, smooth skin, attractive color and very early. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.25.

**RED CAYENNE.** Fruits are of conical shape. Two inches long, very thick and very hot. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**PIMENTO.** The fruits are of medium size and entirely free from any fiery flavor. Considered the sweetest of all Peppers. Much used for salads and flavoring, also for canning. Ripens late and when fully matured the Peppers are a bright red color and very attractive. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**SWEET MOUNTAIN.** The fruits are large and of a deep green color when young. Very strong grower and productive. Flesh mild and thick. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**CALIFORNIA WONDER.** A new variety which is rapidly becoming one of the leading sorts. The peppers are very large and resemble the Chinese Giant in size and shape, but the flesh is much thicker and very mild and sweet. Fine for home and market garden. Pkt., 10c; oz., 60c;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.00.

## PURSLANE

### (DUTCH POSTELEIN)

Much used in France, Belgium and Holland for greens. Grows about 10 to 12 inches high. The stems are of a reddish color and have a peculiar sour taste. Likes a well prepared seed bed and a sunny location. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

## PUMPKIN

Not so particular as to soil as other vine crops; cultivate the same as cucumbers. One ounce of seed to 25 hills, 3 to 4 lbs. to the acre.

**CONNECTICUT FIELD or BIG TOM.** A standard variety grown in cornfields to make a feeding crop for cattle. Vines are strong and vigorous and wonderfully productive. Fruits average 15 to 20 inches in diameter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



Early Scarlet Globe Radish.



Ruby King Peppers.

**SUGAR or PIE.** This is the pumpkin from which the celebrated Yankee Pumpkin Pie is made. Fruits about 10 inches in diameter. Skin is deep orange yellow. Fine grained flesh of excellent flavor. Excellent keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

## RADISH

### SUMMER VARIETIES

**EARLY SCARLET GLOBE.** Standard sort for the home and market; for forcing and garden culture. Flesh is crisp and tender, rich scarlet color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**FRENCH BREAKFAST.** An old favorite for market and home garden. Grows oblong in shape; a beautiful scarlet color with white tip; very tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**ICICLE.** Long, slender, pure white roots; mild and crisp. In big demand in local markets. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**EARLY WHITE TURNIP.** A popular early white turnin-shaped radish of medium size. Waxy white color; excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**LONG SCARLET SHORT TOP.** An old standard variety for the market and home garden. Roots are long, straight, smooth and deep scarlet color; very crisp. Easily grown. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**CRIMSON GIANT.** This is a near-early radish double the size of the ordinary radish. Equally suitable for forcing or planting outdoors. Mild in flavor, firm and crisp. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

### WINTER VARIETIES

**CHINA ROSE.** More used than any other Winter radish. Flesh white and mild. By packing these in sand fresh radishes may be had all Winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

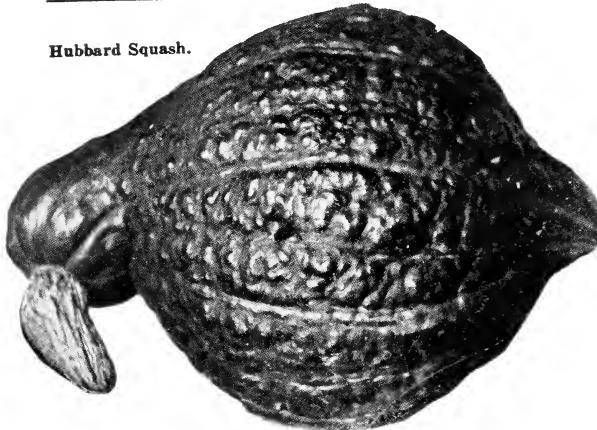
**ROUND BLACK SPANISH.** An excellent keeper. Flesh is crisp and quite pungent. Shape is round; coal black skin and white flesh. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**CELESTIAL or MAMMOTH WHITE CHINA.** The finest of all large Winter radishes. Pure white skin; flesh solid, crisp and sweet as turnip. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

## SALSIFY or Vegetable Oysters

**MAMMOTH SANDWICH ISLAND.** Improved type, producing roots of extra large size, superior quality, delicate flavor. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.

Hubbard Squash.



## TURNIPS

Turnips do the best in a highly enriched or sandy loamy soil. One ounce will sow 125 feet of drill; 2 lbs. per acre in drills, 3 lbs. broadcast.

### WHITE FLESH VARIETIES

**EARLY PURPLE TOP STRAP-LEAVED.** A quick grower. Flesh is fine grain and sweet flavor. Planted largely for table use. May be sown broadcast or in drills. Forms good sized bulbs in 7 to 8 weeks. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**PURPLE TOP WHITE GLOBE.** One of the handsomest and most salable turnips. Desirable for either home or market. Flesh pure white, fine grain; of excellent flavor. Splendid keeper. Ready market in this section. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**WHITE EGG.** Popular early turnip; adapted for either Spring or Fall sowing. Roots are egg-shaped; flesh is sweet and firm; a good keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**LONG WHITE COW HORN.** A great field turnip, carrot-like in form, growing half out of the ground. Fine quality and a good keeper. Planted extensively for stock feed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

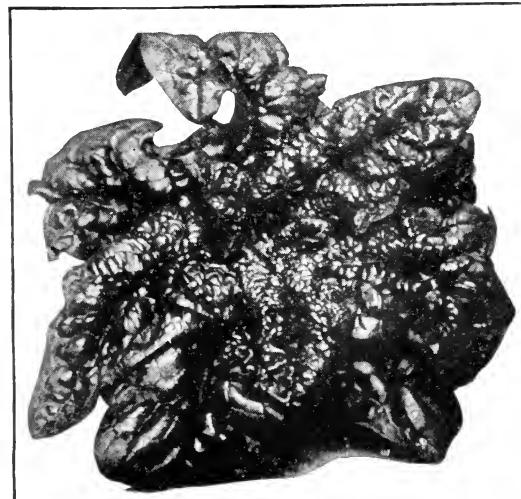
### YELLOW FLESH VARIETIES

**GOLDEN BALL or ORANGE JELLY.** A distinct yellow turnip that is grown extensively for home consumption on account of its fine quality. Medium size, small tap root. Ready in 65 days. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

## RUTABAGAS or SWEDES

Rutabagas require a longer season for maturing than turnips, hence should be sown earlier, about the middle of June.

**AMERICAN PURPLE TOP.** An old standard variety. Large roots; yellow color with purple top. Fine quality and a good yielder. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



Bloomsdale or Savoy Leaf Spinach.

## SQUASH

Rich, warm, mellow soil is best for big yield and early maturity, but squashes grow quite well in almost any well drained soil. 1 ounce of bush varieties will plant 40 hills; larger seeded kinds 15 hills; 2 to 4 lbs. to the acre.

### SUMMER VARIETIES

**GIANT SUMMER CROOKNECK.** A favorite with market gardeners, because of its beautiful appearance and ready sale. A great improvement over the old Yellow Crookneck. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**EARLY WHITE BUSH SCALLOP.** A well-known variety, sometimes called Patty Pan. Very early and prolific. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**EARLY YELLOW BUSH SCALLOP.** This is a new, rich golden yellow scalloped Summer squash, otherwise similar to the White Bush Scallop. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**IMPROVED BANANA.** A prolific, oblong variety growing from 18 to 30 inches in length and from 7 to 12 inches in diameter. The shell is a bright gray-green shade. The flesh is a deep orange color of very fine texture and the flavor is excellent. Give it a trial. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

### WINTER VARIETIES

**DELICIOUS.** It is a very early Winter variety of medium size, shaped like a top; dark green shell, moderately hard but very thin. Flesh fine grain and bright yellow; delicious sweet flavor. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



The New Table Queen Squash.

**HUBBARD.** This is the old standard variety that everybody knows. Equally desirable for home and market garden. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**CHICAGO WARTED HUBBARD.** A new type of Hubbard produced by careful selection of the large dark green warty specimens. Flesh rich golden yellow, fine grained and dry. Popular with market men. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**GOLDEN HUBBARD.** The best Winter squash for the home garden. Same shape as green Hubbard, but earlier. Keeps well throughout the Winter. Delicious flavor. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**TABLE QUEEN.** This wonderful little squash is becoming a great favorite everywhere. The fruits are a nice size to handle, about 6 to 8 inches long and 4 to 5 inches in diameter. Cut in half and baked for twenty minutes it will give you a delicious dish. Color is dark green and it is a heavy yielder and good keeper. Do not fail to plant some seeds of this variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

## SPINACH

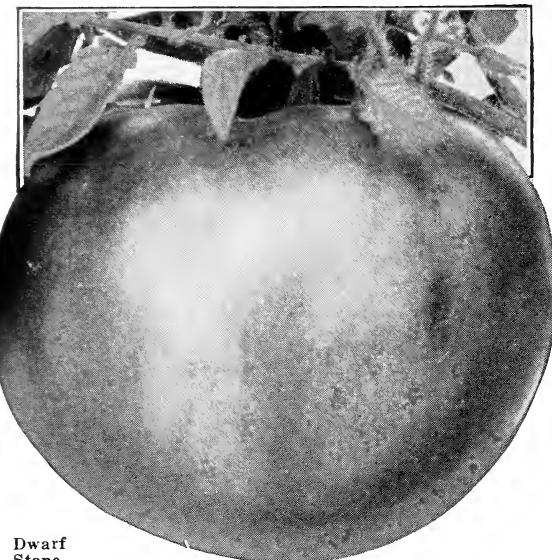
For early Spring use sow in the Autumn. Protect the plants with a light covering leaves or straw. One ounce of seed to 50 feet of drill; 10 to 25 lbs. per acre of drill.

**BLOOMSDALE or SAVOY LEAF.** An early variety and one of the best varieties to plant in the Autumn for early Spring use. Narrow, pointed, deep green leaves which are slightly curled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 40c.

**EARLY GIANT THICK LEAF.** This variety grows very rapidly, forming a cluster of large, very thick leaves of excellent color and quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 35c.

**KING OF DENMARK.** This is the best sort for the market. Plants grow rapidly and are ready to use as soon as the earliest kind and yet remain in good condition two weeks longer. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 40c.

**NEW ZEALAND.** Best for home garden. Will stand the Summer heat and keep on bearing luscious green shoots two weeks after others have gone to seed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



Dwarf Stone.

**EARLIANA.** Very popular extra early sort. Plants are of compact growth and yield well. Fruit solid, fine quality, and bright red. Ready for market in 90 days. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

**EARLIANA SPECIAL STOCK.** This is an improvement over the old strain of Earliana. It ripens very early and produces nice smooth tomatoes of a bright red color. Heavy yielder. Pkt., 5c; oz., 30c; 1/4 lb., \$1.10; lb., \$4.00.

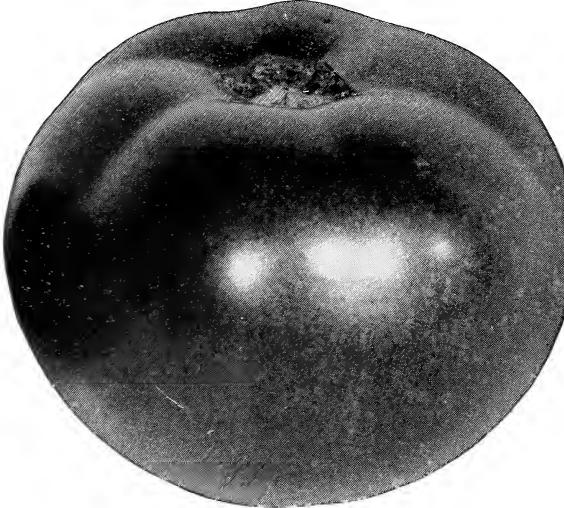
**JOHN BAER.** One of the best main crop sorts. Deep glossy red; ripens evenly and will not burst when dead ripe. Excellent shipper. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.75.

**PONDEROSA.** Often called Beefsteak on account of its blood-red flesh color. Unsurpassed in size and fine quality for slicing. Pkt., 5c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.50.

**GOLDEN QUEEN.** Best yellow variety. Handsome fruit; good size; smooth, solid, and meaty. Mild in flavor; color a bright yellow. Grown principally for home use and exhibition. Pkt., 5c; oz., 40c; 1/4 lb., \$1.50; lb., \$5.00.

**YELLOW PLUM.** Grown principally for preserving. Size and shape similar to the plum, with smooth yellow skin. Pkt., 5c; oz., 40c; 1/4 lb., \$1.50; lb., \$5.00.

**NEW MARGLOBE.** This new wilt resistant Tomato is considered one of the best varieties on the market today. The tomatoes are of good size, solid, meaty and almost coreless. A good seller on the retail markets. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00.



John Baer Tomato.

## TOBACCO

**HAVANA.** Well known broad-leaved cigar tobacco. Pkt., 5c; oz., 50c; 1/4 lb., \$1.40; lb., \$5.00.

## TOMATOES

Our seed is selected from tomatoes that have been grown and selected for seed only. Sow the seed in March and April in hotbed or in pot in a sunny exposure in the house. If stocky plants are desired they may be transplanted into a cold frame or greenhouse when 2 or 3 inches high. When 5 or 6 inches high and when the ground has become warm transplant into the open.

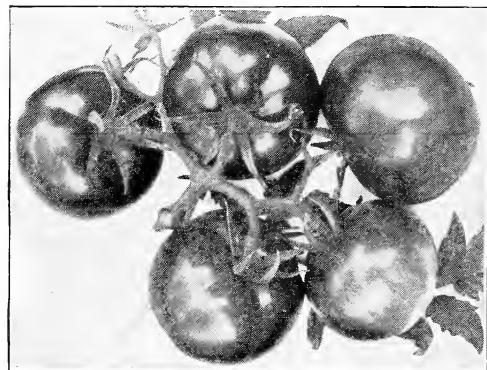
**BONNY BEST.** Splendid large second early tomato. Vigorous grower; splendid foliage; intense scarlet color; remarkably uniform in size. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

**CHALK'S EARLY JEWEL.** Another popular second early variety. Handsome bright red fruit, very solid. Has few cracks. First-class for home garden. Ready for market in 95 days. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

**LIVINGSTON'S GLOBE.** An extra good all-around sort of a distinct globe shape. Ribens evenly; has few seeds. Excellent main crop. Ready for market in 100 days. Pkt., 5c; oz., 30c; 1/4 lb., \$1.25; lb., \$4.25.

**DWARF STONE.** This splendid tomato has all the fine qualities of the standard and much grown Stone, excepting it is somewhat dwarf in habit. Popular with market gardeners and home canners. Pkt., 5c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.50.

**BREAK O' DAY.** (Early wilt resistant). This new variety was developed by Prof. Pritchard of the U. S. Dept. of Agriculture at Washington. Break o' Day is a wonderful yielder and the only early tomato that is of a deep globe shape and good bright red color. The fruit is solid and has few seeds. It is very disease resistant and no doubt will become one of the leading varieties in a short time. Pkt., 10c; oz., 60c; 1/4 lb., \$2.00; lb., \$6.00.



Bonny Best Tomatoes.

## HERBS

For flavoring soups, meats, etc. A few herbs should be grown in every garden. Cultural directions on every packet.

**ANISE.** Seed used for medicinal purposes; leaves are used for flavoring, garnishing, and cordials. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

**CARAWAY.** Seed is used for flavoring rye bread, making cheese, also flavoring sauces. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1.00.

**CORIANDER.** Seed used for flavor in baking and making candy. Pkt., 5c; oz., 15c; 1/4 lb., 25c; lb., 75c.

**DILL.** Leaves and seed heads used for making dill pickles. Fine for flavoring soup. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c.

**FENNEL.** The leaves boiled are used in fish sauces, also for garnishing and medicinal purposes; seeds for flavoring and medicinal purposes. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$1.75.

**SAGE.** Leaves and tops used for seasoning and stuffing; also for medicinal purposes. Pkt., 5c; oz., 30c; 1/4 lb., 90c; lb., \$3.00.

**SUMMER SAVORY.** Leaves and young shoots are used for flavoring, especially for boiled and string beans. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

**SWEET MARJORAM.** Leaves and ends of shoots are used for flavoring both green and dried. Pkt., 5c; oz., 25c; 1/4 lb., 80c; lb., \$2.25.

**THYME.** Used for seasoning. A tea is also made for nervous headache. Pkt., 5c; oz., 40c; 1/4 lb., \$1.10; lb., \$4.00.



Dill Seed Heads.

# Choice Flower Seeds

Everyone should give more attention to planting flowers around their homes. There is nothing that adds more to the looks or beauty of a home than a bed of flowers. They should be given a space by the farmer as well as those who live in the city. The care is small as most flowering plants will live in almost any soil. The soil best adapted to flowers generally is a light loam containing a sufficient amount of sand to render it porous. Many flowers are larger and finer if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization, and liberal enriching with plenty of well-rotted manure. Some other varieties produce largest and finest flowers on rather light, poor soil. The principal thing is to make the soil as fine and smooth as possible. Never plant flower seed when the ground is wet. Cover each lot of seed to a depth which should not be greater than six times the thickness of the seed. Plant in rows, press the soil firmly over the seed. The young plants should be thinned out to prevent crowding.

Plants are usually divided into three classes: Annuals, Biennials and Perennials.

Annuals are plants that usually live but one season.

Biennials are plants that bloom the second year from seed and the plant dies after blooming.

Perennials are plants that bloom the second year from seed and the plant lives and blooms for several years.

## AGERATUM or Floss Flower

An annual; very hardy, of easy culture; fine for bedding. It is almost covered with blossoms all Summer. Sow in boxes early in the Spring or out in the open when danger of frost is past.

**MEXICANUM DWARF BLUE.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**MEXICANUM WHITE.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**MEXICANUM MIXED.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## ALYSSUM

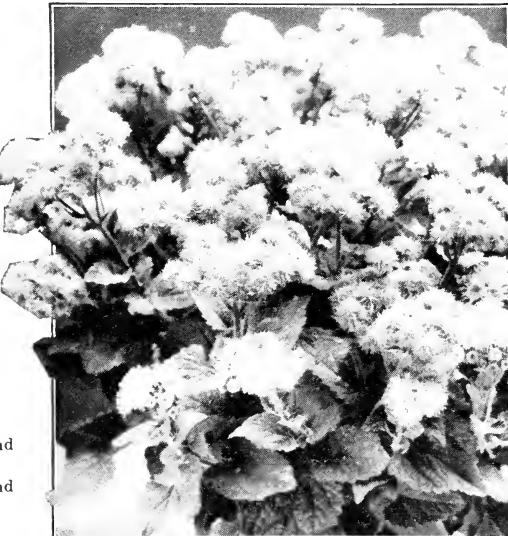
A fragrant hardy annual bearing spikes of beautiful small flowers in great profusion throughout the Spring and Summer. Without a doubt the best border plant in our selection. Beautiful when planted in solid beds.

**LILAC QUEEN.** Very pretty lavender-lilac flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

**LITTLE GEM.** Popular border sort; white flowers. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**SWEET ALYSSUM.** Very sweet scented; white flowers. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

**SAXATILE** (Perennial). Similar to above, but yellow flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.



Ageratum.

## AMARANTHUS

An odd plant of many colors, being useful for tall borders and grouping with other foliage. The leaves and stems are of different shades of red blended with green. Usually growing from 2 to 3 feet high. Sow seed early in the Spring. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 45c.

## ANCHUSA

One of the best hardy perennials; lovely Gentian blue. A great improvement over old variety. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**ANTIRRHINUM.** (See Snapdragon).

**AQUILEGIA.** (See Columbine).

## ANEMONE

A very pleasing perennial for border decoration; also fine for bouquets.

**CORONARIA** (Poppy Anemone). Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.00.

**ST. BRIGID** (True Irish Strain). Large flowers of semi-double and double flowers of fine colors. Pkt., 20c.

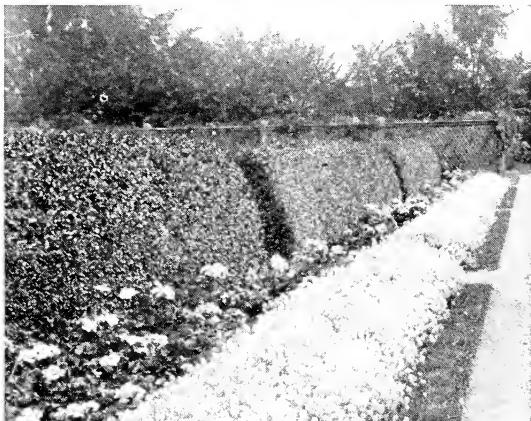
## ARMERIA

(THRIFT; SEA PINK)

A very pretty edging plant, with grassy leaves and flowers of globular heads of rosy pink color. Fine for rock gardens and edging for borders. 1 foot high. Pkt., 15c.

## ARABIS - Rock Cress

**ALPINIA.** A most useful hardy perennial for Spring bedding and rockeries. Early in the Spring the pure white flowers make a pleasing sight in beds and borders. Grows about 6 inches high. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.75.



Alyssum.

Anchusa.



American Beauty Aster.



California Giant Aster.



King or Needle Aster.

## ARCTOTIS

**GRANDIS** (Blue-Eyed African Daisy). It forms much-branched bushes 2 to 3 feet high. Its daisy-like flowers are pure white on the upper surface, the reverse of the petals pale lavender-blue. Foliage is gray-green. Very valuable as a cut flower. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

## ASPARAGUS

**PLUMOSUS NANUS** (Lace Fern). An excellent house plant. The bright green sprays surpass the Maidenhair Fern in grace and delicacy of texture. The hard seeds need soaking to secure good germination. Pkt. of 10 seeds, 15c; 100 seeds for \$1.00.

**SPRENGERI** (Emerald Feather). One of the best plants to grow in suspended baskets, window boxes, vases etc.; for the greenhouse in Winter and outside in Summer. Pkt. of 10 seeds, 10c; 100 seeds for 50c.

## ASTERS

Asters are flowers of wonderful beauty. They are also easy to grow. Plants are hardy and will stand light frost. Can be sown out-of-doors as soon as the ground is warm and dry. The plants can also be started in the house or in a cold frame and transplanted as soon as weather permits.

**GIANTS OF CALIFORNIA.** The best Asters on the market today. Originated by a California seed grower and specialist in Asters. They combine the robust habit of growth and length of stem of the Beauty type and the large fluffy Creo type of flowers. They measure 5 inches and over across. No garden should be without these beautiful flowers.

	Pkt.	$\frac{1}{4}$ oz.	Oz.
White	\$0.20	\$1.00	\$3.00
Light Pink	20	1.00	3.00
Deep Rose	20	1.00	3.00
Light Blue	20	1.00	3.00
Dark Purple	20	1.00	3.00
Mixed Colors	20	1.00	3.00

**AMERICAN BEAUTY.** Large double flowers borne on long stems. Very desirable for cut flowers. Pkt.  $\frac{1}{4}$  oz. Oz.

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Crimson	\$0.10	\$0.75	\$2.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Flesh-Pink (September Beauty)	10	.75	2.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
White (White Beauty)	10	.75	2.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Rose	10	.75	2.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Mixed Colors	10	.75	2.50

**AMERICAN BRANCHING.** These Asters are well known for their large double flowers and branching habit. Fine for cutting and bedding.

	Pkt.	$\frac{1}{4}$ oz.	Oz.
White	\$0.10	\$0.50	\$1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Deep Pink	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Light Pink	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Red	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Light Blue	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Dark Blue	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Lavender	10	.50	1.50

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Mixed Colors	10	.50	1.50

**CREGO MAMMOTH.** Large, double, fluffy Chrysanthemum-like flowers. Very desirable for the garden. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**GIANT COMET.** An old favorite among the Asters. Flowers are large, double and of the fluffy Chrysanthemum type. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**OSTRICH FEATHER.** We consider these the finest of the Comet or Fluffy types. Flowers are large, full and very fluffy with long petals. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**QUEEN OF THE MARKET.** These well known, early flowering Asters are very desirable for early market purposes. Flowers are very double but are not as large as the later types. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**PEONY-FLOWERED.** Large double Peony-like flowers. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**KING or NEEDLE.** This class is distinct from all other types on account of its pointed, quilled-like petals. Very fine. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**BALL'S WHITE.** The finest white Aster in existence. Plants are of branching habit and loaded with pure white flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 65c; oz., \$2.50.

**CRIMSON GIANT.** Large, double flowers of bright crimson and very showy. This is one of the most fascinating colors viewed from a distance. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

**CARLSON'S EARLY INVINCIBLE.** This class possesses all the qualities of the late flowering types. Flowers are of good size, double and free blooming. About 10 days earlier than the Comet and Beauty types. Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**HEART OF FRANCE.** A new Aster of rich, dark, ruby-red color, which deepens with age. Flowers are of good size and double, of the Beauty type. Plants are of branching habit and loaded with flowers. Without a doubt the best dark red variety. Give it a trial. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.25.

**NEW FANCY YELLOW.** A large light sulphur-yellow. Pkt., 10c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

**FURNITURE CITY MIXTURE.** This mixture is of the finest types of Asters and of a great variety of colors. An excellent selection indeed. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

**SUNSHINE ASTERS.** A most attractive anemone-flowered variety with a wonderful array of dainty colors. Very fine for cutting. Mixed colors, pkt., 15c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.00.

## DISEASE RESISTANT STRAINS

For several years the Bodzer Co. of California has been working on a strain of Asters resistant to the Fusarium wilt disease which has caused so much trouble to both amateur and professional growers in recent years. The plants may be stricken with the disease at any stage in their growth, from the seedling to the flowering stage. Many methods to control this disease have been tried but to no avail and we believe that the only way to prevent this trouble is by producing highly wilt-resistant strains. We are offering only a few varieties for this year but expect to have a larger range for 1933. We feel sure that by using this seed many disappointments will be eliminated.

**GIANT CREO.** Deep rose. Pkt., 25c.

**AMERICAN BRANCHING.** Light blue. Pkt., 25c.

**AMERICAN BRANCHING.** Light pink. Pkt., 25c.

## BALSAM or Lady Slipper

One of the showiest of annuals. Easy to grow, plants growing 15 to 24 inches high. Produce a good abundance of flower sprays.

**DOUBLE CAMELLIA-FLOWERED.** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## BRACHYCOME

(Swan River Daisy)

A free-flowering, dwarf-growing annual, covered during the greater part of the Summer with a profusion of dainty flowers which resemble small Cinerarias; suitable for edgings, small beds or pot culture.

**MIXED COLORS.** Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.

## BROWALLIA

One of our favorite profuse blooming, bedding plants, covered with beautiful white and blue flowers during the Summer and Autumn months; grows freely in any rich garden soil. Blooms finely in the Winter if lifted in the Fall and cut back. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.

## CALENDULA

An old-fashioned popular flower that has been greatly improved in recent years. Easy to grow, succeeding well in most any soil. Blooms profusely from early Spring to late Fall.

**CHOICE DOUBLE MIXED.** Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 40c. **SELECT ORANGE KING.** Very large orange. Pkt., 10c;  $\frac{1}{4}$  oz., 35c; oz., \$1.25.

**BALL'S VERY LARGE DARK ORANGE.** Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

**CAMPFIRE** (Sensation). Large flowers of a rich orange color with a scarlet sheen. Very attractive. Pkt., 15c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**RADIO.** The petals of the large double flowers, instead of being flat, are beautifully quilled, forming an almost globular flower. Rich golden orange in color. Pkt., 15c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

**LEMON QUEEN** (Sulphurea). Large lemon-yellow. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## CALLIOPSIS

This is a showy and beautiful free-flowering annual, of the easiest culture, doing well in any sunny position. Blooming all Summer. 15 to 20 inches high. Excellent for cut flowers.

**TALL DOUBLE MIXED.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

## CANDYTUFT

An old annual that has been vastly improved. It has clusters of flowers somewhat resembling annual phlox.

**EMPERESS.** Pure white. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

**SEMPERVIRENS.** Perennial White. A profuse white blooming perennial blooming in early Spring and Summer. Much used for rockeries, borders, etc. Pkt., 15c;  $\frac{1}{4}$  oz., \$1.00.

**CHOICE MIXED COLORS.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## CANNAS

These are fine for decorative effect on the lawn. They are tropical looking. The dark green leaves and gorgeous, blooming make a beautiful sight. Plant in rich moist soil when weather is warm and settled.

**NEWEST HYBRIDS.** Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

## CANTERBURY BELLS

### or Campanula

A hardy biennial, growing 2 feet high. Flowers in June and July.

#### CUP AND SAUCER

**BLUE.** Pkt., 10c;  $\frac{1}{4}$  oz., 90c; oz., \$3.00.

**LILAC.** Pkt., 10c;  $\frac{1}{4}$  oz., 90c; oz., \$3.00.

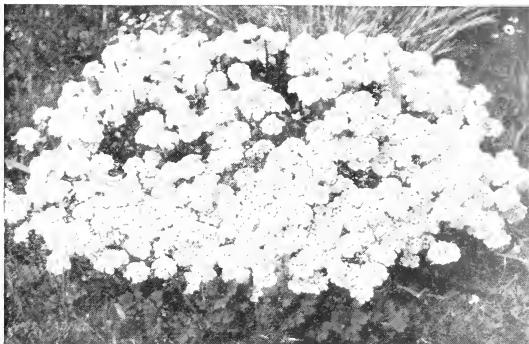
**PINK.** Pkt., 10c;  $\frac{1}{4}$  oz., 90c; oz., \$3.00.

**WHITE.** Pkt., 10c;  $\frac{1}{4}$  oz., 90c; oz., \$3.00.

**MIXED COLORS.** Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**SINGLE FLOWERING VARIETIES.** Choice mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

**DOUBLE FLOWERING VARIETIES.** Choice mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.



Candytuft.

## CARDINAL CLIMBER

Leaves are like Cypress Vine, but the flowers are like little scarlet Morning Glories. Pkt., 10c;  $\frac{1}{4}$  oz., 65c; oz., \$2.00.

## CARNATIONS

Beautiful and fragrant; easily grown outdoors. Highly prized as a decorative flower for beds and borders.

**LARGE DOUBLE FLOWERING VARIETIES.** Choice mixture. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

## CASTOR BEANS

Can be used to secure semi-tropical effects. Plants are tall and majestic, growing 8 to 12 feet high. **ZANZIBARIENSIS.** Large mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 10c; oz., 25c.

## CATHEDRAL BELLS

#### (COBAEA SCANDENS)

A beautiful perennial vine with violet blue bell-like flowers. Desirable for covering trellises, verandas, etc. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

## CENTAUREA or Bachelor Button

The widely grown flower, known also as Bachelor's Button. They are beautiful; an effective plant for beds and borders, being a hardy annual. Require little care and usually reseed themselves.

**CHOICE DOUBLE MIXED.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**CHOICE DOUBLE BLUE.** Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**WHITE-LEAVED CENTAUREA or DUSTY MILLER.** Fine for bedding, vases, hanging baskets and pots; also extensively used for edgings. Fine as an edging for a bed of Cannas or Salvias. Seed should be sown early. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.50.

**CANDIDISSIMA.** Thick, silvery white leaves, broadly cut. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.50.

## CERASTIUM - Snow-in-Summer

**TOMENTOSUM.** A very pretty dwarf, white-leaved edging or rock plant, bearing small white flowers. Hardy perennial. Pkt., 15c.

## CHEIRANTHUS

#### (SIBERIAN WALLFLOWER)

**ALLIONI.** A beautiful biennial rock plant of fiery orange flowers on stems about a foot high. Very fragrant. Will flower freely through the Summer from seed sown in the Spring; for early Spring blooming sow in late Summer or early Fall. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

## CHINESE FORGET-ME-NOT

#### (CYNOGLOSSUM AMABILE)

A lovely plant recently introduced from China. Grows about 18 to 24 inches tall with flowers of a true Forget-Me-Not blue. **AMABILE BLUE.** Pkt., 15c. **AMABILE PINK.** Pkt., 25c.

## CHINESE LANTERN PLANT

#### (PHYSALIS FRANCHETI)

An ornamental plant forming dense bushes about 2 feet high, producing freely its bright orange-red lantern-like fruits, which can be cut and dried for Winter bouquets. Pkt., 10c.

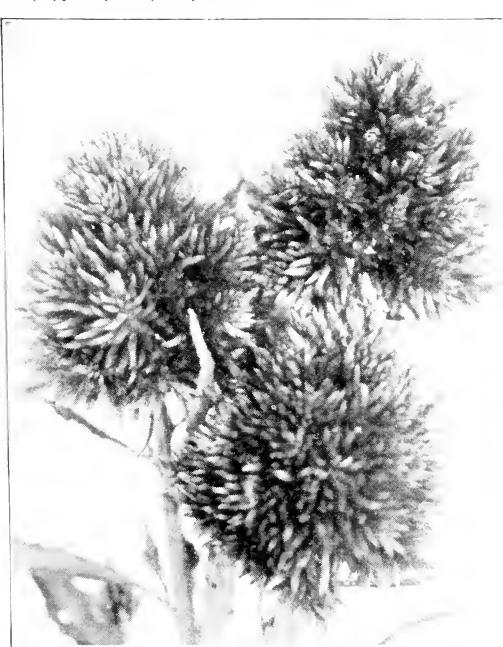
## CHINESE WOOLFLOWER

#### (CELOSIA CHILDSII)

A variety of Cockscomb. Plants grow 2 to 3 feet high and bloom early. Scores of branches, each bearing a ball of wool.

**RED.** Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**MIXED.** Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.



Celosia—Chinese Woolflower.



Cosmos.



Shasta Daisies.



Clarkia.

## CHRYSANTHEMUM

Showy and very effective garden annual, of easy culture. The plant grows from 12 to 14 inches high; has fine delicate foliage; splendid for cutting.

**TALL DOUBLE FLOWERING.** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

**TALL SINGLE FLOWERING.** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

## CLARKIA

Exceedingly bright and attractive, especially in large masses.

**CHOICE DOUBLE FLOWERING.** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## COCKSCOMB

(CELOSIA)

Free flowering highly ornamental plants, of easy culture. Flowering season June to November.

**GIANT EMPRESS.** Large red combs. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**GLASGOW PRIZE.** Large purple-red combs. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**TALL CRIMSON.** Tall plants with crimson-red combs. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

**TALL MIXED.** Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

## COLEUS

Most popular of all foliage plants. Fine for borders. Pkt., 25c.

## COLUMBINE

(AQUILEGIA)

Foremost among the choice garden perennials. They are a native of every state in the union. Large flowers, long spurred.

**MRS. SCOTT ELLIOTT'S STRAIN.** Pkt., 25c;  $\frac{1}{4}$  oz., \$1.75; oz., \$6.00.

## COREOPSIS

These long lasting flowers are simply beautiful, measuring 3 inches and over in diameter, borne on stalks 15 to 18 inches. Brilliant golden yellow. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## COSMOS

This rapid growing Autumn-flowering annual produces large bushes sometimes 6 feet high. Begins to bloom in August and from that time until November they are covered with a mass of bloom. The flowers are 2 inches in diameter.

### EXTRA EARLY LARGE FLOWERING:

Pink. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

White. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

Red. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

Mixed Colors. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 70c.

**NEW DOUBLE FLOWERING.** Mixed colors. Pkt., 25c.

## CYPRESS VINE

One of the most popular vines with very delicate fernlike foliage, and masses of beautiful, small, star-shaped blossoms.

**MIXED VARIETIES.** Pkt., 10c;  $\frac{1}{4}$  oz., 15c; oz., 50c.

## DAHLIAS

But few people know that Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in shallow boxes early in March or April and transplant them as their growth demands. When danger of frost is past plant them in the bed or border in the garden and from then on they will prove no more trouble than if the tubers had been used instead of the seed. Pkt., 25c.

## DAISIES

The old garden favorite. Our seeds are from selected sorts. **CHOICE DOUBLE VARIETIES.** Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**SHASTA DAISY.** Large flowering. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.25.

**AFRICAN DAISY.** Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.40.



Columbine.



Gaillardia.

## DATURA or Sweet Nightingale

A large strong plant with trumpet-shaped fragrant white flowers, 3 feet high. Pkt., 5c; 1/4 oz., 20c; oz., 60c.

## DELPHINIUM

### DELPHINIUMS (Perennial Larkspur)

Few plants are so handsome in the garden as the state' Perennial Larkspur or Delphiniums. Their tall spikes with every shade of blue, from light lavender-blue to deep indigo-blue are a pleasure to every flower lover. Planted in combination with Madonna Lilies they make a lovely garden picture.

**DREER'S DE LUXE HYBRIDS.** Containing all the shades of blue. Pkt., 25c.

**ENGLISH EXCELSIOR STRAIN.** Choice mixture of new and standard kinds. Pkt., 25c.

**BELLADONNA IMPROVED.** Light blue flowers. Pkt., 25c.

**BELLAMOSUM IMPROVED.** Dark blue flowers. Pkt., 25c.

**BLACKMORE & LANGDON STRAIN.** Tall spikes of wonderful colors. Pkt., 50c.

**WREXHAM HOLLYHOCK STRAIN.** Tall spikes of large Hollyhock-like flowers of a rich shade of blue. Pkt., 50c.

**BODGER'S HOLLYHOCK STRAIN.** A wonderful collection of light blue shades. Tall spikes of large Hollyhock-like blossoms. Pkt., 50c.

## DIANTHUS or Pinks

These beautiful old-fashioned favorites come from the same family carnations do, but are more varied in their brilliant colors.

**ANNUAL CHOICE DOUBLE.** Mixed colors. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

**PERENNIAL CHOICE DOUBLE.** Mixed colors. Pkt., 10c; 1/4 oz., 65c; oz., \$2.00.

## ESCHSCHOLTZIA or California Poppy

A hardy free-flowering annual, growing about 15 inches high and producing quantities of single poppy-shaped blooms.

**GOLDEN YELLOW.** Pkt., 5c; 1/4 oz., 20c; oz., 60c.

**CHOICE MIXED.** Pkt., 5c; 1/4 oz., 35c; oz., \$1.00.

## FORGET-ME-NOT

Dainty elegant little flowers; blooms profusely for two seasons, flowering freely in the early Spring and Fall. They love shady moist places. Once at home in a garden, they sow themselves by self-seeding.

**BLUE.** Pkt., 10c; 1/4 oz., 35c; oz., \$1.25.

**PINK.** Pkt., 10c; 1/4 oz., 35c; oz., \$1.25.

## FOXGLOVE or Digitalis

Ornamental hardy plants of stately growth. Plants succeed well in any soil if given shady location. Spikes are 3 to 4 feet long, strung with scores of thimble-shaped flowers. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

**GLOXINIAEFLORA.** This is a fine strain of the ordinary Foxgloves with handsome spotted Gloxinia-like flowers on long spikes. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

**GIANT SHIRLEY.** A magnificent strain of Foxgloves and a great improvement over the older varieties. The vigorous plants attain a height of 5 to 7 feet, with long spikes of beautiful flowers, spotted and blotched crimson, maroon and chocolate. A fine variety, indeed. Pkt., 15c; 1/4 oz., 75c; oz., \$2.50.

## FOUR O'CLOCK

A well known hardy annual, succeeding anywhere. Covered with hundreds of bright colored, showy, sweet scented flowers. Pkt., 5c; 1/4 oz., 10c; oz., 25c.

## GAILLARDIA

These brilliant flowers grow in profusion throughout the Summer. Desirable for planting beds; excellent for cutting.

### PERENNIAL VARIETIES

**GRANDIFLORA, MIXED.** An old favorite. Flowers are variegated with shades of reddish brown and yellow. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

**THE DAZZLER.** Large, golden yellow flowers with rich dark red center. Very fine. Pkt., 25c.

### ANNUAL VARIETIES

**INDIAN CHIEF.** Coppery red with dark brown center. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

**LORENZIANA, DOUBLE MIXED.** A charming, profuse, double flowering variety of various colors. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

## GARDEN HELIOTROPE

(*Valeriana*)

**OFFICINALIS.** Produces showy heads of rose-tinted white flowers during June and July with delicious strong heliotrope odor. Grows about 3 ft. high. Fine for bouquets. Hardy perennial. Pkt., 25c.

## GERBERA - Transvaal Daisy

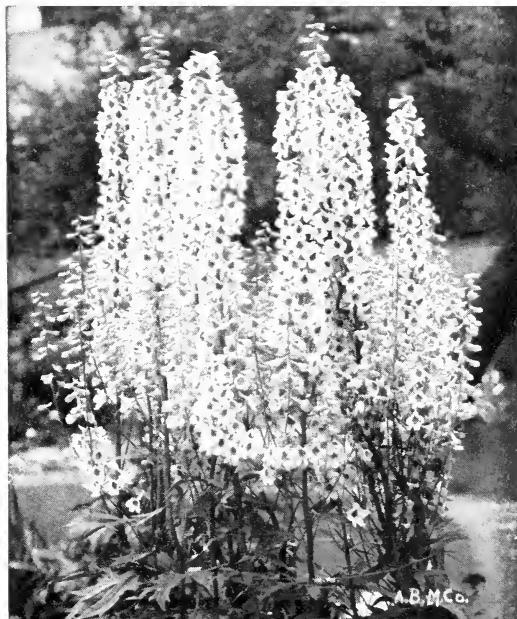
**JAMESONI HYBRIDS.** Perfect daisy-like flowers 2 to 4 inches across borne on long stems. Splendid for pot plants or for cutting for greenhouse purposes. For garden culture in cold climates the plants are wintered over in cold frames. Pkt., 25c.

## GEUM

Beautiful hardy perennial, bearing double rose-shaped flowers, mostly red, all through the Summer. Fine for bouquets.

**MRS. BRADSHAW.** Large, double, brilliant orange-scarlet. Pkt., 15c.

**LADY STRATHEDEN.** Large, double yellow flowers. Pkt., 25c.



A.B.McC.

Larkspur—Delphinium.

## GODETIA

A charming annual growing about 1 foot high. Flowers all Summer, producing many shades and colors.  
SUPERB MIXTURE. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## GORDS

### (ORNAMENTAL)

The blossoms of some are quite striking and handsome. The interesting feature is the odd, unique, and ornamental gourds.

MIXED VARIETIES. Pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

DIPPER or SIPHON. Pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

## GYPSOPHILA or Baby's Breath

Flowers are tiny and starlike, borne in feathery sprays, much esteemed for cut flowers.

ANNUAL VARIETY. White, pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

ANNUAL VARIETY. Pink, pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 40c.

PERENNIAL VARIETY. White, pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 75c.

PERENNIAL VARIETY. Light pink, pkt., 5c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

HELICHRYSUM. (See Strawflower).

## HELIOTROPE

Delicate sweet scented flowers. Start seeds in box.

CHOICE MIXTURE. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## HEUCHERA - Coralbells

A hardy perennial which grows in rosette-like form and producing many slender spikes about 18 inches high above the leaves, having many small, bell-like flowers of a pleasing coral-red.

SANGUINEA CRIMSON. Bright coral-red. Pkt., 15c.

## HIBISCUS or Mallow

Beautiful tall growing plants with handsome foliage; large striking flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

## HOLLYHOCKS

### (DOUBLE VARIETIES)

One of the most majestic and desirable of hardy perennial plants. Tall stately spikes covered with clusters of large flowers of striking beauty.

LARGE DOUBLE. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

NEWPORT PINK. Flowers are of an exquisite shade of pink and very double. Pkt., 15c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

MAROON. Deep maroon almost black. Pkt., 15c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

YELLOW. Double yellow flowers. Pkt., 15c;  $\frac{1}{4}$  oz., 65c; oz., \$2.25.

## JOB'S TEARS

The gray seeds, shaped like a giant tear drop, are the joy of childhood for using as beads. Pkt., 5c;  $\frac{1}{4}$  oz., 5c; oz., 20c.

## KOCHIA

### (MEXICAN FIRE BUSH)

Excellent for garden hedges or backgrounds. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 40c.

## ANNUAL LARKSPUR

This is one of the best known of garden flowers. They bloom quickly from seed sown in the spring and bloom all summer until late in the fall. Their tall, graceful spikes with flowers of a great variety of colors make them unsurpassable for the garden and as a cut flower.

### TALL DOUBLE STOCK-FLOWERING VARIETIES

TALL CHOICE MIXED. All colors mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

LA FRANCE. Pleasing salmon-pink. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

MISS CALIFORNIA. Deep pink or salmon. Pkt., 15c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

CARMINE KING. Deep carmine-rose. Pkt., 15c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

BLUE SPIRE. Intense deep blue. Pkt., 15c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

LILAC SPIRE. Beautiful lilac-lavender. Pkt., 15c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## LATHYRUS or Perennial Sweet Pea

A rapid growing vine which is covered through the late Summer with masses of flowers shaped somewhat like sweet peas. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.30.



Althea Rosea—Hollyhock.

## BLUE LACE FLOWER or Didiscus

Long stemmed blue flowers. Look like the lace on a lace handkerchief. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## LEPTOSYNE

MARITIMA (Sea Dahlia). A native of California with graceful feathery foliage and large lemon-yellow flowers with golden center, resembling a single Dahlia bloom. Fine for cutting. Grows about 2 ft. tall. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.

## LINARIA

MAROCCANA EXCELSIOR HYBRIDS MIXED. A dainty easily grown annual bearing small spikes, like a miniature Snapdragon of brilliant colors. Grows about 12 inches high and is a charming subject for the border or rockery. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

## LINUM - Flax

The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. Very attractive.

PERENNIAL BLUE. (Perennial). Bright blue flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

GRANDIFLORA RUBRUM. (Annual). Brilliant scarlet-red flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## LOBELIA

A marvelous shade of blue for your borders. Combines well with Alyssum.

DWARF BLUE. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## LUNARIA

### (MONEY PLANT)

Hardy biennials, but grown as annuals. Purple flowers followed by silvery seed pouches about the size of a half dollar, and which are much prized for Winter decorations. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

## LUPINUS

Free flowering, easily grown plants, with long graceful spikes of pea-shaped flowers of rich and varied colors.

ANNUAL MIXED. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

PERENNIAL MIXED. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

## MARIGOLD - Tagetes

An old favorite annual. When grown in large beds they are very effective. Plants grow about 3 feet high and bloom clear up till frost.

ORANGE BALL. Large double flowers of a beautiful deep orange color, very fine. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

LEMON BALL. Same as above but of a lemon color. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

TALL AFRICAN DOUBLE. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

DWARF FRENCH DOUBLE. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.



Phlox Drummondii.

### MATRICARIA

**CAPENSIS** FL. PL. (Feverfew). Neat, small, double white quilled flowers which are produced over a long season. They are perennials in mild climates but in our locality are treated best as annuals. Pkt., 10c; 1/4 oz., 25c; oz., 90c.

### MIGNONETTE

A quick growing annual; delicate and fragrant; fine for bouquets. Pkt., 5c; 1/4 oz., 15c; oz., 40c.

### MOONFLOWER

Blooms open at night and on cloudy days. Very fine. Blue. Pkt., 10c; 1/4 oz., 20c; oz., 60c. White. Pkt., 10c; 1/4 oz., 20c; oz., 75c.

### MORNING GLORY

Most popular outdoor vine for covering windows, old stumps, etc.

**COMMON VARIETIES.** Mixed colors. Pkt., 5c; 1/4 oz., 15c.

**JAPANESE.** Large flowering. Mixed colors. Pkt., 5c; 1/4 oz., 10c; oz., 25c.

**HEAVENLY BLUE MORNING GLORY.** Very large flowers of an attractive blue color. A great improvement over the common types of Morning Glories. Pkt., 10c; 1/4 oz., 30c; oz., \$1.00.

### NASTURTIUMS

For ease in culture, duration of bloom, brilliancy of color, and general excellence, nothing exceeds Nasturtiums. Succeed well in any soil.

**TALL CLIMBING VARIETIES.** Mixed colors. Pkt., 5c and 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

**DWARF VARIETIES.** Mixed colors. Pkt., 5c and 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

**NEW DOUBLE SWEET-SCENTED "GOLDEN GLEAM."** The most talked of novelty of the season. Semi-double and double flowers of golden yellow color and sweet fragrance. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The flowers stand well above the foliage and are borne on erect, stiff stems 6 inches in length. An ordinary size bouquet will fill the room with a delightful fragrance. Give it a trial. Pkt., 25c.

### NEMESIA

A very pretty annual which makes pleasing masses of low growth for edging and for filling along the front of taller plants. The orchid-like flowers come in a variety of colors. Plants grow about a foot high.

**LARGE FLOWERING MIXED.** Pkt., 15c.

### Nicotiana

Sweet scented tobacco plant. Loaded with hardy perfumed flowers throughout the season. Pkt., 5c; 1/4 oz., 20c; oz., 50c.

### NIGELLA

(LOVE-IN-A-MIST)

Grows an abundance of long stemmed flowers which are a most beautiful cornflower blue.

**SELECT VARIETIES.** Pkt., 5c; 1/4 oz., 15c; oz., 50c.

### OENOTHERA

(Evening Primrose)

Showy and beautiful annuals for borders, beds, etc. Blooms all summer. Grows from 1 to 2 ft. high.

**EVENING PRIMROSE, MIXED.** Large, saucer-shaped flowers, white or golden yellow; open at dusk. Has a delightful perfume. Pkt., 10c; 1/4 oz., 15c; oz., 50c.

### PANSIES

Improved varieties produce rich colors with brilliant shadings. Require cool shady places, rich soil, and plenty of moisture.

**TRIMARDEAU GIANT.** Mixed colors. Pkt., 10c; 1/4 oz., 75c; oz., \$2.25.

**MASTERPIECE.** Choice strain of large ruffled blossoms. Pkt., 10c; 1/4 oz., \$1.25; oz., \$4.00.

**MAMMOTH EXHIBITION STRAIN.** This mixture contains all the beautiful types of the large flowering sorts; superb collection. Pkt., 15c; 1/4 oz., \$1.50; oz., \$5.00.

**SWISS GIANTS.** A large flowering strain of the most beautiful color combinations. Pkt., 20c; 1/4 oz., \$1.75; oz., \$6.00.

### PENTSTEMON

**SENSATION.** A highly useful and attractive perennial in the hardy border. It grows about 2 feet high, every branch being a spike of large Gloxinia-like flowers in a wide range of bright colors. Although a perennial, it will bloom very freely the first year if started early. Pkt., 15c; 1/4 oz., \$1.00; oz., \$3.50.

### PETUNIA

For freedom of bloom, variety of colors, beautiful effect, the Petunia ranks with the foremost. These handsome sweet-scented flowers are beautiful for borders, beds, and boxes.

**SINGLE DWARF VARIETIES.** Choice mixture of various colors. Pkt., 5c; 1/4 oz., 50c; oz., \$2.00.

**ROSY MORN.** Beautiful soft pink with white throat. Much used for window and porch boxes. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**ROSE OF HEAVEN.** Brilliant rose-pink. Darker than Rosy Morn. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**GENERAL DODDS.** Blood-red. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**HOWARD'S STAR.** Rosy crimson with a clearly defined five-pointed star of blush white. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**VIOLEACEA.** Deep violet-purple. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**ELK'S PRIDE.** Largest and darkest velvety purple. Very fine. Pkt., 25c.

**BALCONY BLUE.** Rich velvety blue. Pkt., 25c; 1/4 oz., \$1.75; oz., \$6.00.

**BALCONY MIXED.** A choice mixture of various colors. Pkt., 20c; 1/4 oz., \$1.50; oz., \$5.00.

**STRIPED AND BLOTTED (Inimitable).** A good mixture of striped and blotched flowers. Pkt., 10c; 1/4 oz., 50c; oz., \$2.00.

**GIANTS OF CALIFORNIA SPECIAL MIXED.** This is a well-balanced mixture of light and dark shades, including pink and rose shades, fringed and ruffled, large flowers with attractive deep throats, many beautifully veined. Pkt., 25c.

**DWARF CALIFORNIA GIANTS.** (Ramona Strain). A new dwarf, sturdy type especially suited for pot plants. Flowers are large and beautifully ruffled and fringed with open well-marked throats. Many attractive colors. Pkt., 50c.

**DOUBLE FLOWERING PETUNIAS.** A choice mixture which will produce from 30 to 40 per cent double flowers, while the remainder will be choice, large single flowers. In growing double Petunias from seed the weaker seedlings should be carefully saved, as these as a rule produce the finest double flowers. Pkt., 50c.

### PHLOX

Very popular because of the great range of colors. Unsurpassed for freedom of bloom.

**DRUMMONDI** (Annual). Mixed colors. Pkt., 10c; 1/4 oz., 40c; oz., \$1.50.

**LARGE FLOWERING PERENNIAL VARIETY.** Mixed colors. Pkt., 10c; 1/4 oz., \$1.00; oz., \$3.50.

**STAR PHLOX.** Annual. Pretty star-shaped flowers. Mixed colors. Pkt., 10c; 1/4 oz., 40c; oz., \$1.50.

### PHYSOSTEGIA

(FALSE DRAGONHEAD)

A perennial plant having beautiful spikes of tube-shaped flowers resembling a tiny snapdragon blossom.

**VIRGINICA.** Beautiful spikes of delicate rosy lilac flowers.

Pkt., 10c; 1/4 oz., 75c; oz., \$2.50.

### PINKS

An old favorite, popular for beds and borders; in fact pinks fit nicely in any garden; easily grown.

**DOUBLE FLOWERING ANNUAL VARIETIES.** Mixed colors. Pkt., 10c; 1/4 oz., 35c; oz., \$1.00.

**DOUBLE FLOWERING PERENNIAL VARIETIES.** Mixed colors. Pkt., 10c; 1/4 oz., 65c; oz., \$2.00.

## PLATYCODON

(Balloon Flower or Chinese Bellflower)

One of the best hardy perennials, producing showy flowers during the whole season. Fine for permanent borders and among shrubbery. The flowers in bud have the appearance of inflated balloons.

**GRANDIFLORA BLUE.** Large flowers of a beautiful blue color. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.75.

## POPPIES

Wonderful range of brilliant colors; becoming very popular. Do best in sandy loam. Keep flowers cut for continuous bloom.

**DOUBLE SPRING FLOWERING.** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 10c; oz., 30c.

**SINGLE GIANT SHIRLEY POPPIES** Mixed colors. Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**CALIFORNIA POPPIES.** Golden Yellow. pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c. Choice Mixed Colors. pkt., 5c;  $\frac{1}{4}$  oz., 35c; oz., \$1.00.

**ORIENTAL POPPIES (Perennial).** Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

**ICELAND POPPY (Perennial).** Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

**AMERICAN LEGION.** Large flowers of a brilliant orange-red. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## PORTULACA or Rose Moss

Forms masses of delicate green foliage covered with bright colored flowers.

**DOUBLE MIXED COLORS.** Pkt., 10c;  $\frac{1}{4}$  oz., \$1.25; oz., \$4.00.

## PRIMROSE or Primula

Among the best of the early Spring blooming plants. They require a partially shaded location.

**LARGE FLOWERING.** Mixed colors. Pkt., 25c;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

## PYRETHRUM

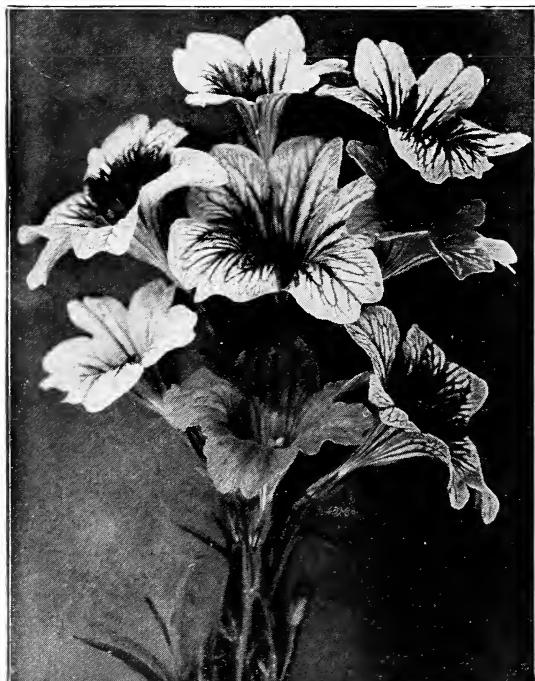
**HYBRIDUM or PAINTED DAISY.** Extra choice double and single varieties mixed. Pkt., 20c.

## SALVIA or Flowering Sage

The new large flowering Salvia is much more free flowering than old types; long spikes, bright flowers.

**BONFIRE or CLARA BEDMAN.** This is one of the finest of the Scarlet Sages, growing in a compact bush 2 ft. high. Its erect spikes of brilliant red flowers stand clear above the foliage and completely cover the plant. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

**SPLENDENS.** Bright scarlet, early bloomer. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.



Salpiglossis—Painted Tongue.

## SALPIGLOSSIS or Painted Tongue

Flowers vividly marked, spotted and striped.

**CHOICE MIXED COLORS.** Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.50.

## SAPONARIA

**OCYMOIDES.** Very showy hardy perennial rock garden plant, producing during the summer months masses of small, bright rose flowers. Grows about 9 inches high. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 80c.

## SCABIOSA or Mourning Bride

About 2 1/2 feet high; bloom early in July, continuing until hard frost; double flowers in exquisite shades borne on long wiry stems.

**DOUBLE FLOWERING.** Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 75c.

**SCABIOSA, Caucasica (Perennial Scabiosa).** Light blue flowers on long wiry stems. Fine for cutting. Blooms all Summer. Pkt., 15c.

## SCARLET RUNNER BEAN

A well known rapid growing annual climber, producing bright red flowers from July to September. Its dense foliage makes it splendid for porches or any location where shade is desired. Pkt., 5c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

## SCHIZANTHUS or Butterfly Flower

Beautiful plant for garden in Summer and for house culture in the Winter. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

## SNAPDRAGON

For gorgeous coloring, few flowers can match Snapdragons. The flowers, borne on long spikes, are excellent for cut flowers. They are easily raised from seed in any rich, sunny bed. They bloom all Summer until late in the Fall.

### SUPER-GIANT LARGE-FLOWERING SORTS

**CANARY BIRD.** Canary-yellow with deeper yellow lip. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**INDIAN SUMMER.** Velvety copper. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**OLD GOLD.** Golden yellow with rose throat. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**PURPLE KING.** Deep glowing purple. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**THE ROSE.** Rich rose-pink. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**SNOWFLAKE.** Pure white with yellow tube. Pkt., 15c;  $\frac{1}{4}$  oz., 60c; oz., \$2.25.

**MIXED COLORS.** A fine selection of colors. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.75.

## SNOW-ON-THE-MOUNTAIN

(EUPHORBIA)

Showy border plant; easily grown; beautiful foliage edged and veined with white. Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## STATICE or Sea Lavender

Much used for dry Winter bouquets in the house. The plants produce panicles of small flowers all Summer.

**LATIFOLIA (Perennial Statice).** Purplish-blue flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$2.00.

**SINUATA (Annual Statice).** Mixed colors. Fine for Winter bouquets. Pkt., 10c;  $\frac{1}{4}$  oz., 25c; oz., 60c.

## STOCKS

A popular fragrant colorful blooming annual. Used for beds and borders.

**LARGE DOUBLE FLOWERING VARIETIES.** Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.25.

## STOKESIA - Stokes' Aster

A beautiful perennial which grows about 20 inches high and bearing many flowers of a rich lavender-blue. The flowers appear to be a cross between a China Aster and a Bachelor's Button. Pkt., 10c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## STRAWFLOWERS or Everlasting

Very popular and beautiful for Winter bouquets. The brilliant colored flowers last indefinitely.

**EXTRA LARGE DOUBLE MIXTURE.** Pkt., 10c;  $\frac{1}{4}$  oz., 30c; oz., \$1.00.

**GLOBE AMARANTH.** Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

**GLOBE AMARANTH.** Red. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 50c.

## SUNFLOWER or Helianthus

These improved varieties are fine for wild gardens along fences or walls.

**DOUBLE YELLOW CHRYSANTHEMUM.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**RED SUNFLOWER.** Pkt., 5c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

**STELLA (Large Yellow Flowers).** Pkt., 5c;  $\frac{1}{4}$  oz., 25c; oz., 70c.

## SWEET SULTAN

A charming flower. Delicate shadings; artistic thistle shaped blooms. Choice of the following colors: Rose, White, and Mixed. Be sure to mention color when ordering. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

## SWEET PEAS

The improvement of this much fancied garden favorite continues, as splendid results are being secured. Their beauty and fragrance and delicate coloring put them in a class by themselves. Be sure to have some of these in your garden this year.

### SPENCER LARGE FLOWERING VARIETIES

	Pkt.	Oz.	$\frac{1}{4}$ lb.
ASTA OHN. Lavender	\$0.10	\$0.30	\$1.00
BLANCHE FERRY. Pink and white	.10	.30	1.00
COUNTESS SPENCER. Rose-pink	.10	.30	1.00
FLORA NORTON. Light blue	.10	.30	1.00
HAWMLMARK PINK. Rose-pink shading to salmon	.10	.30	1.00
HERCULES. Giant size, pure pink	.10	.30	1.00
KING EDWARD. Crimson	.10	.30	1.00
KING WHITE. Pure white	.10	.30	1.00
MARGARET ATLEE. Rosy salmon-buff	.10	.30	1.00
OTHELLO. Deep maroon	.10	.30	1.00
SCARLET EMPEROR. Red	.10	.30	1.00
WEDGEWOOD. Dark blue	.10	.30	1.00
MIXED VARIETIES	.10	.25	.75

## SWEET ROCKET

(HESPERIS)

Old-fashioned, sweet scented garden plants. Grows about 3 feet high. Excellent for naturalizing among shrubbery or for permanent borders.

MIXED COLORS. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., 60c.

## SWEET WILLIAM

Another well known old-fashioned favorite. Flowers similar to pinks, only instead of one in a place they grow in heads like phlox.

DARK RED. Double. Pkt., 10c;  $\frac{1}{4}$  oz., 60c; oz., \$2.00.

EXTRA FINE DOUBLE FLOWERING. Mixed colors. Pkt., 10c;  $\frac{1}{4}$  oz., 40c; oz., \$1.25.

NEWPORT PINK. Pkt., 10c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50.

## SWEET WIVELSFIELD

This new hardy annual Pink or Dianthus resembles a large flowering Sweet William. The flowers are carried gracefully in loose heads and of a great variety of colors. Fine for cutting. If started early will bloom all summer or can be sown in the fall for blooming early the following spring. Pkt., 20c;  $\frac{1}{4}$  oz., \$1.25; oz., \$4.00.

## PERENNIAL SEEDS FOR ROCK GARDENS

	Pkt.		Pkt.
ALYSSUM saxatile compactum. Golden yellow	\$.10	GYPSOPHILA repens. White	\$.15
ANEMONE pulsatilla. Violet-lilac	.10	HELIANTHEMUM mutabile. Pale rose, changing to	
ANEMONE sylvestris. White	.15	lilac and white	.10
AQUILEGIA alpina. Blue	.15	HEUCHERA sanguinea. Crimson	.15
AQUILEGIA coerulea (Rocky Mountain Columbine). Blue and white	.10	HEUCHERA sanguinea hybrida grandiflora. Mixed	
ARABIS alpina. White	.10	colors	.35
ARMERIA formosa. Red	.10	INULA ensifolia. Yellow	.25
ARMERIA formosa hybrida. Rose-pink	.15	LINARIA cymbalaria (Kenilworth Ivy). Violet	.10
ARMERIA laucheania. Rosy crimson	.10	LINARIA dalmatica macedonica. Yellow, orange lip.	.25
ARMERIA maritima. Lilac-rose	.15	LYCHNIS alpina. Rose	.20
ARENARIA montana. White	.25	NEPETA Mussini. Bright blue; blooms all Summer	.25
ASPERULA odorata. White	.10	OENOTHERA missouriensis. Yellow	.10
ASTER alpinus. Goliath. Soft blue	.20	PLATYCODON Mariesi, Blue	.10
ASTER alpinus. Nine. Light blue, star-shaped	.15	PLATYCODON Mariesi alba. White	.10
ASTER subeoreleus. Light blue	.20	POLYPHYLLUM	
AUBRIETIA. Large-Flowering Hybrids. Mixed colors	.25	POLYPHYLLUM	
AUBRIETIA, Bougainvillei. Dark blue	.25	POLYPHYLLUM	
AURICULA. Mixed Colors	.25	POLYPHYLLUM	
CALAMINTHA alpina. Blue	.35	POLYPHYLLUM	
CALLIRHOE involucrata. Red	.15	POLYPHYLLUM	
CAMPANULA carpatica. Blue	.10	POLYPHYLLUM	
CAMPANULA carpatica alba. White	.10	POLYPHYLLUM	
CAMPANULA rotundifolia. Blue	.15	POLYPHYLLUM	
CAMPANULA turbinata. Blue	.20	POLYPHYLLUM	
CAMPANULA turbinata alba. White	.15	POLYPHYLLUM	
CANDYTUFT sempervirens. White	.15	POLYPHYLLUM	
CERASTIUM tomentosum. White	.15	POLYPHYLLUM	
CONVOLVULUS mauritanicus. Blue with white throat.	.15	POLYPHYLLUM	
CRUCIANELLA stylosa. Light red	.15	POLYPHYLLUM	
DIANTHUS caesius. Flesh pink	.25	POLYPHYLLUM	
DIANTHUS deltoides. Rose	.25	POLYPHYLLUM	
DIANTHUS neglectus. Red	.25	POLYPHYLLUM	
DIANTHUS plumarius (Clove Pinks). Mixed colors	.10	POLYPHYLLUM	
EDELWEISS. White	.25	POLYPHYLLUM	
ERINUS alpinus. Mixed white, carmine and rose	.25	POLYPHYLLUM	
ERYSIMUM pulchellum. Yellow	.15	POLYPHYLLUM	
EUPHORBIA polychroma. Flower leaves yellow	.25	POLYPHYLLUM	
FORGET-ME-NOT. alpestris. Blue	.10	POLYPHYLLUM	
FORGET-ME-NOT. alpestris rosea. Pink	.10	POLYPHYLLUM	
FORGET-ME-NOT. Ruth Fisher. Sky-blue	.25	POLYPHYLLUM	
GLOBULARIA trichosantha. Dark blue	.25	POLYPHYLLUM	
		THYMUS serpyllum (Wild Thyme). Creeping plant; purple flowers	.25
		TUNICIA saxifraga. Lilac-rose	.15
		VERONICA incana. Ageratum-blue	.25
		VERONICA longifolia Hendersoni nana. Dark blue	.25
		VERONICA repens. Blue flowers	.25
		VERONICA prostrata. Mixed blue and white	.25
		VIOLAS or TUFTED PANSIES. Mixed colors	.10

# IMPROVED ZINNIAS

With the improved varieties being offered today, this beautiful flower is becoming more and more popular.

## Gold Medal Dahlia-Flowered

These beautiful Zinnias, resembling a large double dahlia, are probably the most showy type and should be in every garden. Awarded a gold medal in 1924 by the Royal Horticultural Society of England. We offer the following choice of colors:

	Pkt.	1/4 Oz.	Oz.
EXQUISITE. Light rose, center deep rose .....	\$0.15	\$0.50	\$1.50
GOLDEN STATE. Rich orange-yellow .....	.15	.50	1.50
METEOR. Rich glowing red .....	.15	.50	1.50
DREAM. Soft lavender, shading to purple .....	.15	.50	1.50
CRIMSON MONARCH. Red, extra large flowers .....	.15	.50	1.50
CANARY BIRD. Primrose-yellow .....	.15	.50	1.50
POLAR BEAR. Pure white .....	.15	.50	1.50
PURPLE PRINCE. Deep purple .....	.15	.50	1.50
LEMON BEAUTY. Golden yellow on brownish ground .....	.15	.50	1.50
ORIOLE. Orange and gold .....	.15	.50	1.50
GOLDEN DAWN. Beautiful golden yellow; immense flowers of fine form .....	.15	.50	1.50
YOUTH. A beautiful soft rose of lasting qualities. Very fine .....	.15	.50	1.50
MIXED VARIETIES .....	.15	.50	1.50
LUMINOSA. A new shade in Zinnias. A charming shade of bright deep pink, with a light suffusion of salmon. Pkt., 15c; 1/4 oz., 50c; oz., \$1.50.			

## Giant Double Varieties

This much admired type is easy to grow and we offer them in the following choice of colors:

	Pkt.	1/4 Oz.	Oz.
APRICOT ORANGE .....	\$0.10	\$0.35	\$1.00
BURNT ORANGE .....	.10	.35	1.00
GOLDEN YELLOW .....	.10	.35	1.00
CANARY YELLOW .....	.10	.35	1.00
RED .....	.10	.35	1.00
LAVENDER .....	.10	.35	1.00
PINK .....	.10	.35	1.00
WHITE .....	.10	.35	1.00
MIXED COLORS .....	.10	.35	1.00

## Victory Quilled or Cactus-Flowered

These beautiful new flowers resemble a cactus-flowered dahlia.

MIXED COLORS. Pkt., 15c; 1/4 oz., 50c; oz., \$1.50.

## Picotee

This is a distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal distinctly tipped with various shades of dark colors, resembling the Picotee Carnations. Reproduce about 70% true. Pkt., 15c; 1/4 oz., 50c; oz., \$1.50.

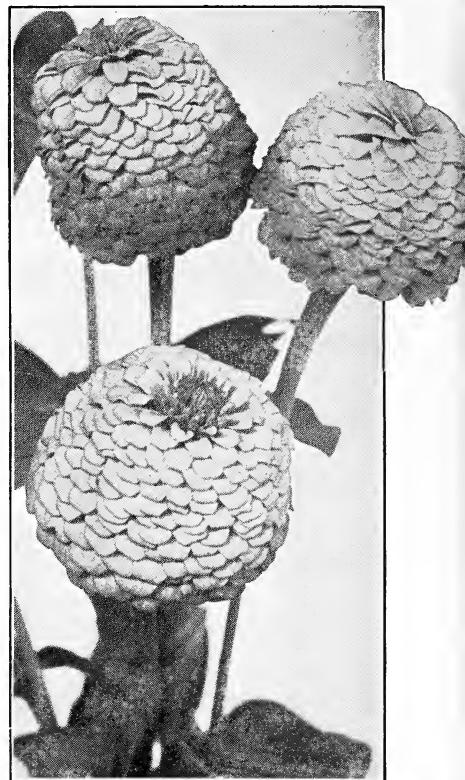
## Lilliput or Pompon Zinnias

The plants form handsome little bushes and are loaded with tiny, short-stemmed, very double flowers about the size of a daisy. They are much used for borders; bloom all Summer until late in the Fall.

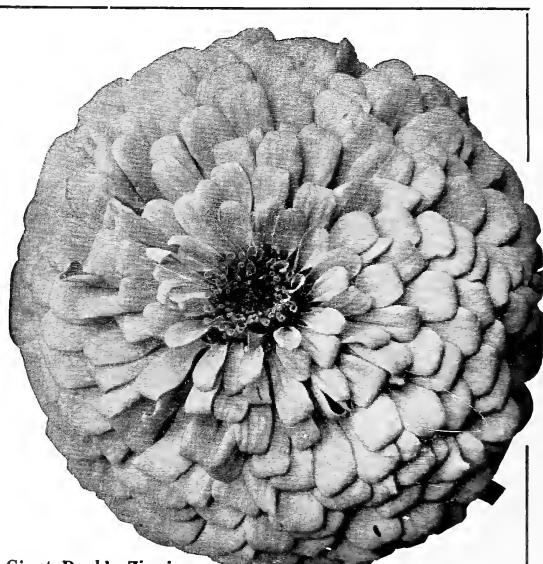
	Pkt.	1/4 Oz.	Oz.
SALMON ROSE. Beautiful salmon-pink..	\$0.10	\$0.35	\$1.00
SCARLET GEM. Bright scarlet-red .....	.10	.35	1.00
MIXED COLORS .....	.10	.35	1.00
GOLDEN GEM. Golden yellow. Pkt., 10c; 1/4 oz.. 35c; oz., \$1.00.			



Gold Medal Dahlia-Flowered Zinnia.



The New Lilliput Zinnia.



Giant Double Zinnia.

# DAHLIAS

**AMUN RA** (Decorative). Immense flowers of gorgeous copper and orange tones shading to gold and amber, deepening in the center to a dark reddish brown the effect as a whole being that of a gorgeous sunset. Flowers keep well after being cut. Each, 50c.

**BASHFUL GIANT** (Decorative). Truly a Giant variety with mammoth size blooms of a beautiful apricot color with golden suffusion and shadings. Very attractive. Each, 50c.

**CIGARETTE** (Hybrid Cactus). Creamy white, heavily edged with pomegranate-red, but it varies greatly, no two flowers being exactly alike. The petals are long and inclined to roll, forming a large, deep, well shaped flower of great substance on long stems. It always attracts attention. Each, 50c.

**COUNTESS OF LONSDALE** (Cactus). The best known and most desired of all the Cactus Dahlias. The color is a pleasing deep salmon-red. A free bloomer. Each, 35c.

**GLADYS SHERWOOD** (Cactus). A wonderful white cactus variety. Enormous flowers having long glistening white pointed petals. Flowers are held erect on strong stems. A real Queen among the white varieties. Each, 50c.

**GOLDEN WEST** (Decorative). A Burbank creation that is entirely distinct. Clear canary yellow of good size on strong stems. Very attractive. Each, 40c.

**JACK ROSE** (Decorative). A rich, deep ruby red, the whole overlaid with a soft velvety maroon. A great favorite among the dark red Dahlias. Each, 20c.

**JANE COWL** (Giant Decorative). Deep massive blooms of bronze-buff and old gold, blending darker towards the center. Broad petals with just enough twist to add the refinement so often lacking in large Dahlias. A stem of unusual strength holds this giant Dahlia over a bush of ideal growth. Thick foliage, the kind that insects seldom bother. Always a winner at the great Dahlia shows. Each, \$1.00.

**JERSEY'S BEAUTY** (Decorative). Without a doubt the best true pink decorative Dahlia yet introduced. It has been an outstanding feature at the American and great European shows. The beautiful large pink flowers are of perfect form supported on long stiff stems. A great cut-flower variety and equally valuable for garden decoration. Each, 50c.

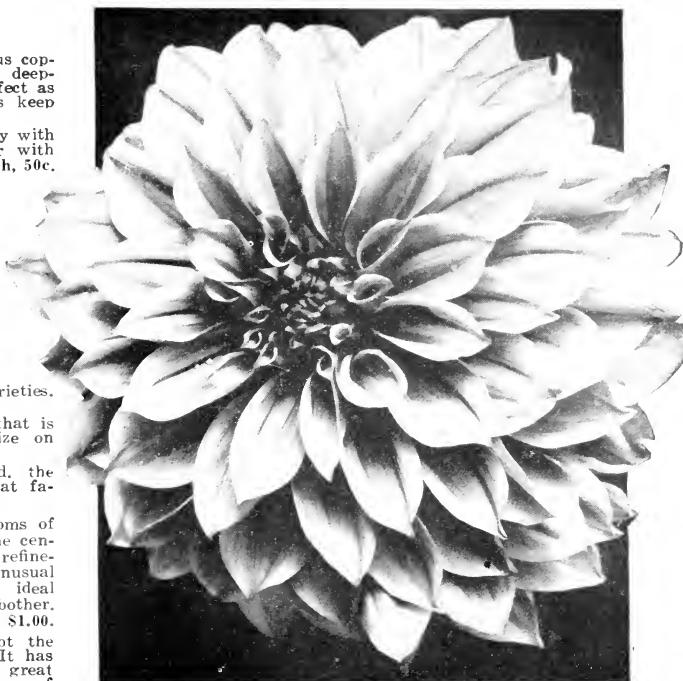
**J. H. JACKSON** (Cactus). "The Black Dahlia." One of the most satisfactory all around Cactus varieties. Deep velvety maroon, almost black. Large flowers. Each, 25c.

**LAWINE** (Cactus). A large white, lightly suffused pink. A strong grower, early and profuse bloomer. Each, 25c.

**LYNDHURST** (Decorative). A brilliant light red fine for cutting. Early and free bloomer on long stems. Each, 20c.

**MAUDE ADAMS** (Show). Ball shaped flowers of a white color, delicately suffused with pink. One of the best white and pink Show Dahlias and always satisfactory. Each, 25c.

**MILLIONAIRE** (Decorative). The color of this much admired Dahlia is a pleasing shade of lavender with a faint pink cast overshadowing, shading to almost white toward the center as it ages. The flowers are of immense size, sometimes measuring 10 to 12 inches across. Each, 50c.



Decorative Dahlia, Jersey's Beauty.

**MRS. CARL SALBACH** (Decorative). A beauty from California which is seen at most of the Dahlia shows throughout the country. Extra large flowers of a pleasing mauve pink suffused white toward the center. Blooms are of perfect form held on long stems. Each, 35c.

**MRS. J. DE VER WARNER** (Decorative). A wonderful Dahlia that has justly gained a great reputation. The flowers are large and of perfect shape and of a pleasing mauve-pink color. An early and free bloomer. Each, 35c.

**PAUL MICHAEL** (Decorative). One of the sensational large Exhibition flowers that always attracts attention and which has twice been awarded the prize as the largest flower in California shows; petals at base curled and twisted, color pure gold, shaded orange-buff at center; free flowering. Each, 50c.

**PRIDE OF CALIFORNIA** (Decorative). A brilliant glowing cardinal-red of good size and fine form. Very free bloomer and wonderful keeper as a cut flower. If you wish nice red Dahlia, this is the one. Each, 35c.

**QUEEN MARY** (Decorative). The flowers are a beautiful rose-pink with broad petals of great substance. Each, 25c.

**QUEEN VICTORIA** (Show). Also called Princess Victoria. Clear pure canary yellow without any other markings from bud to old age. Flowers are of very attractive shape. A free bloomer on first class stems. Each, 25c.

**ROSALIA STYLES** (Peony-flowered). A beauty among the Peony-flowered Dahlias. Extra large flowers of beautiful form on long stiff stems. A wonderful live lustrous color—bright Tyrian pink. Strong plants of medium height. Has attracted the greatest attention wherever seen. Each, 50c.

**SAGAMORE** (Decorative). Among the Yellow varieties this one will be found in the front row. The color is a delightful shade of saffron-yellow with golden suffusion. It is a free bloomer and a great cut flower variety. Flowers are of perfect form. Each, 50c.

**SNOWBALL OR STORM KING** (Show). Pure white, round, ball-shaped flowers of good size on long stems. Very free bloomer. An old variety but still in great demand. Each, 20c.

**SOUVENIR DE GUSTAVE DOAZON** (Decorative). A truly wonderful variety that couldn't produce small flowers if it tried. The color is an intense orange-red with rich crimson shadings. Good cut flower variety. Each, 25c.

**TRENTONIAN** (Decorative). A giant Decorative of outstanding merit which always attracts great attention at the Flower Shows. The color is a wonderful combination of old gold, amber and coppery bronze with a center of reddish bronze, forming a flower of remarkable brilliancy. A great cut flower and exhibition variety. Each, 50c.

**U. S. A.** (Hybrid Cactus). Entirely distinct in color from all others. A pure deep orange, sparkling and glistening. An unusual color in dahlias. The flowers are of large size, of good form on excellent stems, held so as to display their full beauty. It is very free blooming and continues in good condition to the end of the season. Each, 75c.

**VIVIAN** (Show). A great favorite of an unusual color combination. Rose-violet shading to pure white toward the center. One of the best of the so-called variegated colored Dahlias. Each, 25c.

**WILHELM MILLER** (Decorative). The true purple colored Dahlia and a free bloomer. This variety is always in demand on account of its unusual color. Each, 20c.



Decorative Dahlia, Golden West.

# THE GLORIOUS GLADIOLUS

## ALL FIRST SIZE BULBS

**ALICE TIPLADY.** Beautiful orange-saffron. Each, 5c; doz., 50c; per 100, \$3.00.

**AMERICA.** Soft lavender-pink. Each, 5c; doz., 50c; per 100, \$3.50.

**ANNA EBERIUS.** Deep rhodamine purple, throat deeper purple; large flowers on tall spikes. A great favorite. Each, 7c; doz., 75c; per 100, \$4.00.

**BARON HULOT.** Deep violet-indigo-blue-purple; the leading purple variety. Each, 7c; doz., 75c; per 100, \$5.00.

**BENGAL TIGER.** Rich red, mottled and black stripes throughout. An oriental beauty well deserving its name. Fine spike and bloom. Each, 10c; doz., \$1.00; per 100, \$6.00.

**BETTY NUTHALL.** An outstanding glad. Beautiful clear coral with pale orange throat. Large flowers of great substance and beautifully placed on the stem. Very fine indeed. Each, 25c.

**BYRON L. SMITH.** Beautiful delicate lavender-pink on white ground. An orchid shade. Very attractive. Each, 7c; doz., 75c; per 100, \$5.00.

**CAPTAIN BOYNTON.** Beautiful lavender with dark blotches on lower petals; large flowers well placed on long stems. If you like lavender colors do not fail to plant a few of this variety this year. Each, 7c; doz., 75c; per 100, \$5.00.

**CHATEAU THIERRY.** Bright scarlet-red with carmine blotch on yellow ground on lower petals; large wide open flowers of great attraction. Each, 7c; doz., 75c; per 100, \$4.00.

**CHOCOLATE QUEEN.** This variety has created a sensation at the various shows on account of its unusual and attractive shade of brownish or chocolate-red. Deep red blotch in throat. Be sure and plant a few this season. Each, 15c; doz., \$1.50.

**CRIMSON GLOW.** Very large, deep scarlet-red, tall strong spikes. One of the best reds. Each, 5c; doz., 50c; per 100, \$3.50.

**DESDEMONE.** Deep ashy rose-pink, striped lilac; large, dark red blotch, edged ivory-white. Flowers are large and well placed on the spike. Each, 20c; doz., \$2.00.

**DR. F. E. BENNETT.** In our opinion this is the best red in existence and one of the most popular of the newer introductions. The color is an intense flame scarlet-red; flowers are very large and beautifully placed on strong stems. Many flowers open at a time, making it a grand exhibition variety. Each, 10c; doz., \$1.00; per 100, \$7.00.

**EARLY SUNRISE.** Extra large flowers of bright salmon-scarlet color with pencil stripe of cream through center of each petal. Very early and in great demand. Each, 7c; doz., 75c; per 100, \$5.00.

**EUGENE LEFEBRE.** An outstanding French variety. Very striking rose-pink with large blotch of a deeper rose-pink. A novelty indeed. Each, 15c; doz., \$1.50.

**EVELYN KIRTLAND.** Beautiful rose-pink, darker at the edges with brilliant blotches on lower petals. Each, 7c; doz., 75c; per 100, \$4.00.

**FLAMING SWORD.** Brilliant light red, overlaid with orange. Flowers are well placed on long stems. Very early. Each, 5c; doz., 60c; per 100, \$4.00.

**GIANT NYMPH.** Light rose-pink with creamy yellow throat; very large wide-open flowers well arranged on extra long spikes. A real beauty and a great cut flower variety. Each, 7c; doz., 75c; per 100, \$5.00.

**GLORIANA.** Perhaps the most beautiful color to be found in Glads. Exquisite pure light orange with yellowish throat. No markings whatever. The flowers do not open widely, but are remarkably like roses. A fine Glad, indeed. Each, 10c; doz., \$1.00; per 100, \$7.00.

**GOLDEN MEASURE.** Large golden yellow with no other markings. Considered by most gladiolus growers as the best yellow variety. Large flowers on tall spikes; a grand exhibition variety. Each, 7c; doz., 75c; per 100, \$5.00.

**HALLEY.** A very early salmon-pink; very popular. Each, 5c; doz., 60c; per 100, \$3.50.

**HERADA.** Large, pure mauve flowers, deeper in throat; a great favorite. Each, 5c; doz., 60c; per 100, \$4.00.

**HOLLYHOCK.** This beautiful, ruffled variety is well named. The flowers resemble a ruffled Hollyhock bloom of a delightful shade of cream-white with dark blotch in throat. Something different. Each, 25c; doz., \$2.75.

**JOE COLEMAN.** Beautiful large ruffled flowers of a rich red color. A very fine variety of pleasing qualities and always satisfactory. Each, 7c; doz., 75c; per 100, \$4.00.

**KALAMAZOO.** Purple-violet with lines of creamy white running through each petal to the edge of the flower. Throat creamy white. Flowers are large and well placed on strong stems. A good exhibition variety. Each, 20c; doz., \$2.25.

**LE MARECHAL FOCH.** The favorite pale pink variety. Flowers are extra large and very early. Each, 5c; doz., 60c; per 100, \$4.00.

**L'IMMACULEE.** Pure white flowers on graceful spikes. One of the best white varieties. Each, 7c; doz., 75c; per 100, \$4.00.

**LONDON SMOKE.** One of Diener's best smokies. Corinthian red shading into Bordeaux on the outer edges of the petals. Fine light stripe running through the center of each petal. Lip speckled with ruby. The whole flower overlaid with slate gray. A beauty, indeed. Each, 10c; doz., \$1.00.

**LOS ANGELES.** Soft, light pink with an orange feathering in throat. Sends up a number of flower spikes during the season. Called by many "The Cut and Come Again" Glad. Each, 7c; doz., 75c; per 100, \$5.00.

**LOUISE.** Beautiful lavender, throat shaded darker; large flowers. The queen of the lavenders. Each, 7c; doz., 75c; per 100, \$5.00.

**MARMORA.** An Australian variety of real merit. Color is a lavender-gray with a conspicuous blotch of petunia-purple in throat. Large flowers on strong stems. A great show variety. Each, 25c.

**MINUET.** Beautiful clear light lavender. Considered by many as the best lavender glad in existence. Large flowers of great substance. A consistent winner at leading shows. Each, 15c; doz., \$1.50.

**MRS. DR. NORTON.** Silvery white blooms with pink edges, throat cream yellow dotted Tyrian rose. A beautiful color combination. Each, 7c; doz., 75c; per 100, \$4.00.



"Glads" may be closely spaced in the garden and offer cut flowers generously. The wide variety of color and form and easy culture make them one of our most popular flowers.



Mrs. Francis King.

Schwaben.

Peace.

Purple Glory.

Mrs. Frank Pendleton.

**MRS. LEON DOUGLAS.** Fine salmon-pink striped with flame scarlet, lower petals pale lemon slightly speckled ruby-red. The flowers, we believe, are the largest in existence, and all are wide open and beautifully arranged on long stems. It is a grand exhibition variety and one which everyone raves over. **Each, 7c; doz., 75c; per 100, \$5.00.**

**MRS. F. C. PETERS.** Rich rose-lavender with purplish blotch in throat. Many large flowers open at once and perfectly placed on long stems. A mighty fine glad indeed. **Each, 7c; doz., 75c; per 100, \$5.00.**

**MRS. FRANCIS KING.** Brilliant light red, large flowers on extra long spikes; very popular. **Each, 5c; doz., 60c; per 100, \$4.00.**

**MRS. FRANK PENDLETON.** Salmon-pink with rich carmine-red blotch in throat; a great favorite. **Each, 5c; doz., 60c; per 100, \$4.00.**

**MRS. H. E. BOTHIN.** Light geranium pink with rich red center. Beautifully ruffled. A great show variety. **Each, 7c; doz., 75c; per 100, \$5.00.**

**MRS. P. W. SISSON.** Immense flowers of an exquisite shade of soft pink. Blooms are nicely placed on the stem. One of the leading light pinks. Give it a trial. **Each, 7c; doz., 75c; per 100, \$5.00.**

**MRS. WATT.** Beautiful clear wine red. **Each, 7c; doz., 75c; per 100, \$5.00.**

**OLIVE GOODRICH.** Pure white, with an edge of rose-pink around the entire flower. One of the most beautiful glads ever produced. If you haven't tried this one, you have missed a real one. **Each, 10c; doz., \$1.00.**

**PANAMA.** Beautiful deep pink, large flowers; one of the best clear pinks. **Each, 5c; doz., 60c; per 100, \$1.00.**

**PAUL PFITZER.** A wonderful creation. Brilliant velvety purple. Flowers are of good size and well placed on strong stems. First class certificate. A beautiful glad indeed. One of the best foreign introductions in this color. **Each, 20c.**

**PEACE.** Large white flowers with pale violet markings on lower petals; tall graceful spikes. **Each, 5c; doz., 60c; per 100, \$1.00.**

**PEACH ROSE.** Clear rose-pink, with a brilliant carmine-red blotch. A very popular glad. **Each, 10c; doz., \$1.00.**

**PRIDE OF WANAKAH.** A beautiful lavender rose-pink flower of large size. None better in this color. Be sure to have this one in your collection this year. **Each, 15c; doz., \$1.50.**

**PERSIA.** Very dark velvety maroon-red, almost black; very beautiful, indeed. **Each, 7c; doz., 75c; per 100, \$5.00.**

**PFITZER'S TRIUMPH.** This is unquestionably one of the largest and finest Gladiolus ever introduced. The flowers are of enormous size and of a beautiful bright orange-red color with small velvety red blotches. It has been a sensation all over the world. Surely a wonderful flower. **Each, 20c.**

**PURPLE GLORY.** Here is a glad that people have been talking about ever since the time it was put on the market by Mr. Kunderd. A wonderful flower of deep velvety maroon red with almost black blotches which seem to be burned into the petals. Beautiful ruffled flowers on tall spikes. Do not fail to plant a few in your garden. (Color is not purple as name would indicate). **Each, 10c; doz., 90c; per 100, \$6.00.**

**PRINCE OF WALES.** Beautiful light orange flowers of good size. Very early. **Each, 5c; doz., 60c; per 100, \$4.00.**

**ROMANCE.** Large flowers of orange-salmon, tinged with rose and wine-blue bordered; red and yellow throat. Unusually distinct and very showy. **Each, 7c; doz., 75c; per 100, \$4.00.**

**ROSE ASH.** Corinthian red shading to ashes of roses color on the outer edges; lower petals light yellow speckled with ruby. A very beautiful show variety. **Each, 7c; doz., 75c; per 100, \$4.00.**

**SCHWABEN.** Clear canary yellow shading to soft sulphur yellow; small brownish red spot in throat. An old timer but still a favorite. **Each, 5c; doz., 60c; per 100, \$1.00.**

**TARO.** American Beauty Rose color. Large flowers on strong spikes. A new shade among Gladiolus. A real American Beauty, indeed. **Each, 7c; doz., 75c; per 100, \$5.00.**

**TYRIAN BEAUTY.** A magnificent large flower of near American Beauty Rose color. Flowers are nicely arranged on the spike with double row of flowers. Awarded first prize at Des Moines, September, 1925. **Each, 10c; doz., \$1.00.**

**VAUGHAN'S WHITE.** The flowers are clear snow-white with no throat markings. Still a winner at various shows as one of the best whites. **Each, 10c; doz., \$1.00; per 100, \$7.00.**

**VEILCHENBLAU.** The leading Blue Gladiolus. A flower of wonderful blue-violet color, with dark blue pansy-like blotches in throat. If you wish a blue glad this is the one you are looking for. **Each, 25c.**

**W. H. PHIPPS.** This is one of Diener's masterpieces. A glorious flower of soft La France pink, overlaid with light rose-salmon, lighter towards the center. Lower petals very faintly striped and speckled with ruby. A double row of enormous flowers on the spike with sometimes as many as 12 to 16 flowers open at a time. A masterpiece in Gladiolus. Do not fail to have this in your garden this year. **Each, 10c; doz., \$1.00; per 100, \$7.00.**

**WAR.** Deep brilliant blood red, large flowers. A great favorite among the large reds. **Each, 7c; doz., 75c; per 100, \$4.00.**

**WILBRINCK.** Pale pink, lower petals have purplish stripes on a yellowish ground; very early. **Each, 5c; doz., 60c; per 100, \$3.50.**

**STANDARD MIXED.** This mixture contains many beautiful varieties of different shades and markings. **Each, 5c; doz., 50c; per 100, \$3.50.**

### Gladiolus Collection

25 first size bulbs in 25 fine varieties **\$1.00**

This is a very fine selection and will give you an abundance of bloom. You cannot afford to be without this special collection at this very special low price.

## PEONIES

The Peony is perhaps the oldest and best known inhabitant of the flower garden and rivals the rose in coloring and perfection of bloom. The flowers are perfectly double and very large. They are not troubled with insect pests or disease and the dark green foliage is exceptionally clean and attractive. Peonies will do well in almost any garden soil but the better enriched the soil and the more liberal the space allowed for each plant, the more vigorous the growth. In planting the roots, cover the eyes with about 2 or 3 inches of soil. A deep, lively loam is preferable and the ground about the plants should be worked well. Fall planting is the best although they can be planted in the Spring also.

**FESTIVA MAXIMA.** This is the most popular and beautiful White Peony. Flowers are extra large and of the double rose type. The edges of center petals are dotted with carmine spots. It is a free bloomer and very early ..... **Each \$0.60**

**EDULIS SUPERBA.** This is one of the earliest varieties, usually coming into bloom on Decoration Day. Color is a brilliant rose pink. Flowers are large and double and very fragrant ..... **.60**

**FELIX CROUSSE.** Brilliant dazzling red. Flowers are very double and solid, exceptionally bright and effective. None better ..... **.75**

**KARL ROSENFIELD.** Rich velvety bright red. Large flowers of the semi-rose type. A sturdy grower and free bloomer. Medium early. Considered one of the best all around red Peonies ..... **1.00**

**OFFICINALIS RUBRA PLENA.** The old-fashioned red peony of our grandmother's garden. It is perhaps the earliest of all peonies, usually in full bloom before Decoration Day. Large double flowers of a rich dark red color ..... **1.00**

**MONS. JULES ELIE.** This is considered by many the finest of all peonies. Flowers are of immense size, full and globular in form. Wonderful glossy flesh-pink shading to deeper rose-pink at the base. When fully opened it looks like a giant Chrysanthemum. Fine cut flower ..... **1.00**

## TUBEROSES

The tuberose is one of the most delightfully fragrant Summer flowers. It thrives best in hot weather and it should not be planted outdoors until it is warm and settled. Can be started indoors in pots in March and April. **7c each: 75c per dozen.**



Peony, Edulis Superba.

## CALADIUM or Elephant's Ear

A very fine tropical plant for setting out on the lawn either singly or in beds. May be planted in combination with canna. They have large leaves, sometimes 4 feet long and equally as wide, height about 5 feet. Plant outdoors when danger of frost is over or start early indoors in pots and set out when weather is warm and settled. **20c each: \$2.00 per dozen.**

## CANNAS

Large flowering varieties. The bulbs we offer are large, strong, and healthy. Have a splendid choice of varieties. Be sure to name variety wanted when ordering.

**EUREKA.** Height 4 feet. Green foliage; flowers creamy white, changing to pure white as they open.

**HUNGARIA.** Height 3 1/2 feet. Green foliage; flowers of the purest La France pink. One of the best pink bedders.

**THE PRESIDENT.** Height 4 feet. Green foliage; flowers of immense size and a rich dazzling red.

**RICHARD WALLACE.** Height 4 1/2 feet. Green foliage; flowers a rich canary yellow and borne well above the foliage. A favorite among the yellow sorts.

**KING HUMBERT.** Height 4 feet. Bronzy foliage; large flowers of rich scarlet. The favorite among the bronzy leafed canna.

**YELLOW KING HUMBERT.** Height 5 feet. Green foliage; large flowers of a deep rich yellow, spotted with bright red blotches.

Your choice of any variety, **15c each; \$1.50 per dozen.**

## Manure! More Manure!

You must have manure, and thanks to ADCO you can have quantities of it. You can turn every bit of vegetable refuse—cuttings, weeds, leaves, etc., from the garden, straw and cornstalks from the farm, into rich manure by the simple ADCO Process. Information free.



**25-lb. bags (enough for 1/2 ton of manure) ..... \$2.00**

We also handle a full line of Sprayers and Spraying Material. If in the market for any of these goods we will be glad to quote you our best prices. See also page 30.



Yellow King Humbert Canna.



# How to Care for Your Lawn

Nothing will add to the appearance and, for that matter, actually enhance the value of your home to such a degree as a well-made well-kept lawn. A good lawn is easily made.

**Soil and Preparation.** The ideal lawn soil is a well drained, moderately rich and moderately heavy loam. If raw sub-soil has been exposed in grading, cover or replace it to a depth of 8 inches with top soil from an old meadow or garden. Avoid fresh stable manure, as it is almost invariably full of weed seeds. Vigoro or Bonemeal is excellent. Spade up the soil to a depth of 6 to 8 inches, mixing in the manure or other fertilizer, and then rake the surface fine and level.

**Seeding.** Sow the seed evenly over the surface. To insure a thick, even stand, use plenty of seed. Then go over the surface with a rake and rake it in such a way that the seed will be covered. In shady places sow Shady Lawn Seed.

**Watering.** If the soil contains plenty of moisture-retentive humus, little artificial watering should be required. If it becomes necessary to use the hose during the dry spells, an occasional thorough soaking is better than frequent light sprinklings.

## LAWN SEED

We use only the very best grades of Grass Seeds and White Clover, especially selected for purity and high germination. All solid seed, no chaff. Do not waste time and money by

sowing cheap grass seed which is mostly chaff. Sow our Fancy Mixed Lawn Seed and enjoy a beautiful lawn. One pound will sow about 300 square feet.

**FANCY MIXED WITH WHITE CLOVER.** Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 100 lbs., \$30.00.

**SHADY GRASS SEED.** For shady places and under trees. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 100 lbs., \$30.00.

**GRADE B MIXTURE.** This is an inexpensive mixture of very good quality for temporary lawns or parkways subject to hard use and where seeding is necessary every year. Lb., 25c.

**WHITE DUTCH CLOVER.** A 1 quality. Lb., 75c.

**KENTUCKY BLUE GRASS.** Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$9.00; 100 lbs., \$30.00.

**RED TOP.** Solid seed. Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$7.00; 100 lbs., \$25.00.

**RYE GRASS.** Lb., 25c.

**ORCHARD GRASS.** Lb., 25c.

**CHEWINGS FESCUE.** Lb., 60c.

**CREEPING BENT GRASS.** Lb., \$1.25.

**ROUGH STALKED MEADOW GRASS (Poa Trivialis).** Much used for shady places. Lb., 50c.

## FERTILIZERS AND PLANT FOOD

**VIGORO.** 100-lb. bag, \$5.00; 50-lb. bag, \$3.00; 25-lb. bag, \$1.75; 10-lb. pkg., 85c; 5-lb. pkg., 50c; 12-oz. pkg., 10c.

**BONE MEAL.** 100-lb. bag, \$3.00; 50-lb. bag, \$1.75; 25-lb. bag, \$1.00; 5-lb. pkg., 35c.

**SHEEP MANURE.** 100-lb. bag, \$2.50; 50-lb. bag, \$1.50; 25-lb. bag, 80c; 5-lb. pkg., 35c.

**NITRATE OF SODA.** Per lb., 10c.

**MILORGANITE.** 100-lb. bag, \$3.00; 50-lb. bag, \$1.75; 25-lb. bag, \$1.25.

**VIM.** 100-lb. bag, \$5.00; 25-lb. bag, \$1.50; 5-lb. can, 50c.

## PEAT

(Imported German Peat Moss)

Peat is used with excellent results in the making of garden soils, especially those soils that are very heavy or very dry. Peat stimulates the development of roots of all plants and in the Summer it is an excellent moisture retainer, as it absorbs more than 8 times its own weight in water. For mulching it is ideal. A slight covering of 2 inches thrown over the beds will prevent all freezing and heaving. When the Winter is over, peat may be dug in and should not be removed. It acts therefore in a double capacity. Peat is not a fertilizer although often sold as such. It is a decomposed plant material which loosens the soil and prepares it so that the most delicate plants and trees may be grown to perfection. It is also an excellent ground cover under Roses, Evergreens and other shrubs as it keeps the soil moist and cool during the hot Summer months. Peat may be stored in a garage or woodshed for any length of time as it will not spoil. Our Peat Moss is thoroughly dried before packing; this gives more material for the same weight. One bale will cover about 250 square feet, 1 inch deep; 125 square feet, 2 inches deep; 80 feet, 3 inches deep. 25-lb. bag, \$1.25; bale of about 19 to 20 bushels, \$3.50.

**SULPHATE OF AMMONIA.** Per lb., 10c; 10 lbs., 65c; 100 lbs., \$3.50.

**ACID PHOSPHATE.** Per lb., 5c.

**MURIATE OF POTASH.** Per lb., 5c.

**LIME.** (For sweetening the soil). 10-lb. pkg., 25c; 80-lb. sack, 75c.

**LOMA.** 100-lb. bag, \$5.00; 50-lb. bag, \$3.00; 25-lb. bag, \$1.75; 10-lb. bag, 85c; 5-lb. pkg., 50c.

## STIM-U-PLANT

Plant Stimulant Tablets

THE IDEAL YEAR-ROUND FEEDING METHOD

These tablets are rich in plant food, containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid and 15 per cent Potash. They keep well, are odorless and clean. Compare this analysis with that of any other fertilizer.

Plants in pots, especially when growing vigorously, soon use up the nourishment that is in the soil, therefore to keep your plants healthy, feed them about every ten days or two weeks and avoid the error of feeding too much at one time.

Have Stim-U-Plant Tablets on hand so you can apply them to your outside plants as soon as they start growth and note the amazing results.

Fine for all kinds of vegetables, flowers, bulbs and shrubs. They are a proven success with rose growers, nurserymen, landscape gardeners, strawberry growers and market gardeners. Complete directions with every package. Easy to use. Simply insert in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Price, 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50.

# Garden Pest Exterminators

## Ants Destroyed

New Method "gets" them at their source—safe; permanent; effective.

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!



The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden. Once installed, permanent, effective and safe protection is insured from these annoying pests. Prices—Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 95c; Antrol extra containers (each) 15c; Antrol syrup, 4-oz. bottle, 45c; pints, 95c; gallons, \$3.75.

### Antrol

The National Ant Control



## Spray Plants with

**EVER GREEN**  
NON-POISONOUS INSECTICIDE

Kills most plant pests, including even cutworms. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. Neither will it injure the soil.

### NON-POISONOUS

EVER GREEN kills only insects—it is harmless to man, live stock, birds and pets.

### EASY TO USE

Just mix it with water and stir. No need for constant agitating—EVER GREEN stays in solution and won't clog sprayers.



### LIST PRICES

1-oz. bottle .....	\$0.35	16-oz. bottle .....	\$2.00
6-oz. bottle .....	1.00	32-oz. bottle .....	3.50
1-gal. bottle .....	\$11.50		

Full Directions with Each Bottle  
ORDER TODAY

## QUICKLY KILLS GARDEN PESTS



Science Provides New Safe Method That Does the Work Without Fuss

Snails, Cutworms, Slugs, Grasshoppers, Sowbugs, Earwigs, Etc., Are Exterminated

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls and make Snarol popular with professional gardeners and nursery men. Prices—1 1/2-lb. package, 45c; 4-lb. package, 95c; 15-lb. package, \$3.50. 50-lb. bags, \$9.50.

### Snarol

The National Pest Control



## Scientific Preparations Endorsed by Leading Rosarians and by Us

**Fungotrogen**  
FUNGICIDE INSECTICIDE FERTILIZER

1/2 pt. ....	\$0.75	1/2 gal. ....	\$3.50
Et. ....	1.25	Gal. ....	6.00
Qt. ....	2.00		

**Aphistrogen**  
INSECTICIDE FERTILIZER

2 oz. (sample bottle) ....	\$0.50	1 lb. (pint) ....	\$2.25
1/2 lb. (1/2 pt.) ....	1.25	2 lbs. (quart) ....	3.50
		12 lbs. (1/2 gals.) ....	15.00

**Insectrogen**  
INSECTICIDE FERTILIZER

4 oz. ....	\$0.60	Quart ....	\$2.75
1/2 pt. ....	1.00	1/2 gallon ....	4.50
Pint ....	1.75	1 gallon ....	8.00

All these sprays are highly concentrated, making 60 times their volume when diluted with water.

**Ferogen**  
GROUND DRESSING  
SOIL STABILIZER AND FERTILIZER

1-lb. tins ....	\$0.75	10-lb. tins ....	\$4.75
2-lb. tins ....	1.25	25-lb. tins ....	11.00
5-lb. tins ....	2.75	100-lb. kegs ....	40.00

**Terogen**  
GROUND DRESSING  
TUNICIDE INSECTICIDE FERTILIZER

1-lb. tins ....	\$0.75	10-lb. tins ....	\$4.75
2-lb. tins ....	1.25	25-lb. tins ....	11.00
5-lb. tins ....	2.75	100-lb. kegs ....	40.00

Autumn-Winter Ground Dressing and Soil Disinfectant. Destroys the spores of fungi of most diseases. Kills the larvae of insects, such as rose-pith, borer, rose bugs, Japanese beetle, aphids, and ants. A valuable fertilizer.

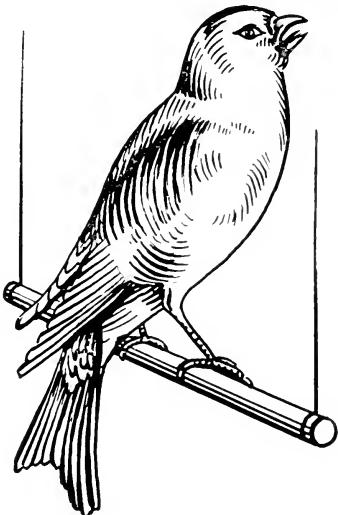
1-lb. tins .... \$0.75 | 10-lb. tins .... \$4.75

2-lb. tins .... 1.25 | 25-lb. tins .... 11.00

5-lb. tins .... 2.75 | 100-lb. kegs .... 40.00

NOTE—A 10-pound tin of Ferogen or Terogen is sufficient for one application for 30 to 50 rose bushes.

## Bird Seeds and Supplies



### "DICKY BOY" SONG RESTORER AND HEALTH FOOD.

A wonderful preparation of selected wild seeds and other ingredients. If bird has lost his voice from moulting, colds or other causes, give a half teaspoonful every morning. As a treat and to keep birds in good shape give a teaspoonful 3 times a week. **Box 20c.** (If wanted by mail, add 5¢ for postage).

### "HAPPY SINGER" BIRD SEED.

A properly balanced mixture of recleaned bird seed of the finest quality. **Box 10c.** (If wanted by mail, add 5¢ for postage).

#### BIRD SEED IN BULK

Mixed Bird Seed. Per lb., 15c.

Canary or Sicily Seed. Per lb., 15c.

Rape Seed. Per lb., 15c.

Hemp Seed. Per lb., 15c.

Millet Seed. Per lb., 15c.

Sunflower Seed. Large fancy. Per lb., 15c.

Bird Grit. In bulk. Per lb., 10c.

Bird Gravel. Per box, 15c.

All choice recleaned seed. If wanted by mail, add postage. Also a full line of bird supplies of all kinds.



### The Lowell Pennant Sprayer

(Compressed air sprayer). The Lowell Pennant is used in the spraying of small orchards, gardens, shrubbery, field crops, for white-wash, disinfecting, etc. The correct dimensions and structural design enable the Lowell Pennant to develop and maintain very high pressure.

**No. 40G.** Pennant Galvanized. Capacity 3 gallons. Each, \$6.00.

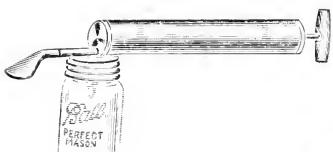
**No. 60B.** Beacon Brass. Capacity 3 gallons. Each, \$7.00.

**No. 92.** Streamer. Galvanized. Capacity 3 gallons. Each, \$4.00.

**No. 50G.** Pennant Junior Galvanized. Capacity 2 gallons. Each, \$4.50.

### Lowell Powder Gun

A handy Powder Blower with glass container, powder always visible to operator. It throws a heavy fog of dust with every stroke of the plunger. Positive in action and simple to operate. A reversible elbow enables the operator to dust either up or down. Pint size. Each, 90c.



## Protect Plants for Profit

*The Effort is Small—The Reward is Great*

GERMACO HOTKAPS can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce harder, quicker crops. You get higher prices!

Thousands were used in 48 states last year. They cost so little that growers cannot afford to be without them.

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per 1,000; 10,000 lots, \$10.50 per 1,000. 250 trial package, including garden type waterproof setter, \$4.00; Germaco steel HOTKAP setter, \$2.50.

If you need HOTKAPS for your backyard garden, note these prices: 100 with garden setter, \$2.50; garden setter alone, 50 cents.

Germaco  
**Hotkaps**



### Lowell Glass Tank Sprayer

A very handy sprayer for gardens, small shrubs, poultry houses, etc. Each, 75c.

### Lowell Ideal Quart Sprayer



The Ideal, for all purposes to which a quart size sprayer is adapted. An excellent sprayer to have around the house. Fine for the garden, disinfectants, fly-oil, etc.

**No. 235.** Quart size, tin. Each, 40c.

**No. 235G.** Quart size, galvanized. Each, 50c.

**No. 250.** 1/2 pint size, tin. Each, 25c.

**No. 260.** Pint size, tin. Each, 35c.

**No. 290.** 5-oz. size, tin. Each, 15c.

## SPRAYING MATERIALS

Insecticides containing poison cannot be sent by mail—freight or express only

**ANTROL ANT and ROACH POWDER.** A very effective medium for killing ants and roaches. **Can.** 26c.

**ASPHISTROGEN.** For aphis or plant lice. This Hortogen spray destroys all traces of these pests in two or three applications. Fine for roses, chrysanthemums, golden glow and all others subject to plant lice. Fertilizes the plants through the leaves. Fine for house plants also. **2 ozs.** 50c; **1/2 lb.** (1/2 pint), \$1.25; **1 lb.** (pint), \$2.25; **2 lbs.** (quart), \$3.50.

**ARSENATE OF LEAD (Powder).** For dusting and spraying. Controls practically all leaf-eating insects in an efficient manner. **1/2 lb.**, 25c; **1 lb.**, 35c; **4 lbs.**, \$1.00.

## ASTOGEN

(Trade Mark)

### NON-POISONOUS SOIL INSECTICIDE

KILLS ROOT APHIS (Root Lice), CUT WORMS and OTHER SOIL PESTS.

In Convenient Powdered Form

yellow. Grow beautiful Asters, etc., by using ASTOGEN. **2 lbs.**, 75c; **5 lbs.**, \$1.50; **10 lbs.**, \$2.75.

**BLACK LEAF 40.** A concentrated nicotine solution for aphis or plant lice, thrips and red spiders and other soft-bodied sucking insects. Also used for killing poultry lice. **1-oz.** bottle, 35c; **5-oz.** bottle, \$1.00; **8-oz.** bottle, \$1.25.

**BORDEAUX MIXTURE.** The best fungicide for curing or preventing black rot, mildew, blight, leaf-curl, scab or other fungous diseases on fruits and plants. One pound will make 5 gallons of spray. **1/2 lb.**, 25c; **1 lb.**, 35c; **4 lbs.**, \$1.00.



## CID

Kills plant insects and controls blights. For aster beetles, aphis (plant lice), rose bugs, ants, and other pests on plants, spray regularly once or twice weekly with CID.

**A Combined Insecticide** Also effective for control of stem rot, Contact Spray & Fungicide. **1/2 pint can.**, \$1.00.

**CYANOGAS.** Very effective for destroying ground moles, woodchucks, rats and other rodents. **1/2 lb.**, 50c; **1 lb.**, 75c.

**FISH OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark or foliage. **1 lb.**, 30c.

**FEROGEN.** A remarkable plant food, soil stabilizer and ground dressing for your roses. Ferogen should be cultivated into your rose beds in the spring and early summer. It supplies vital chemical elements and stimulates to vigorous root action and strong growth. In convenient, semi-powdered form. Ferogen reinforces stable manure. One pound is sufficient for one application for 3 to 5 rose bushes. **1 lb.**, 75c; **2 lbs.**, \$1.25; **5 lbs.**, \$2.75; **10 lbs.**, \$4.75; **25 lbs.**, \$11.00.



## Pomo-Green

**POMO GREEN WITH NICOTINE.** The new green Fungicide and Insecticide for roses and other flowers and ornamentals. Will control black spot, mildew, chewing and sucking insects such as aphis (plant lice), etc. It is leaf green in color and never unsightly on plants. Give it a trial. **1-lb. can.**, 75c; **5-lb. can.**, \$3.00.

**FUNGTROGEN.** This highly concentrated fungicide conquers mildew on roses and other plants in short order and controls black spot. It also eliminates rust on carnations, phlox and the diseases of delphiniums and snapdragons. **4 ozs.**, 45c; **1/2 pt.**, 75c; **pt.**, \$1.25; **2 oz.**, \$2.00; **1/2 gal.**, \$3.50; **gal.**, \$6.00.

**HELLOBORE.** (Powder). Less poisonous than Paris Green and safer to use when fruits and vegetables are nearly ripe. **1/2-lb. can.**, 25c; **1-lb. can.**, 45c.

**INSECTROGEN.** A remarkably effective insecticide that rids your roses and plants of leaf-chewing insects, including caterpillars, slug worms, Japanese beetles, etc., and many blights. Also fertilizes the plant through the foliage. Alternates as a companion spray with Fungtrogen. Both carry their own spreader. Only water is required. **4 ozs.**, 60c; **1/2 pt.**, \$1.00; **pt.**, \$1.75; **qt.**, \$2.75; **1/2 gal.**, \$4.50; **gal.**, \$8.00.

**LIME-SULPHUR (Dry).** For dormant spray use 12 to 15 lbs. to each 50 gallons of water. For summer spray, 3 to 4 lbs. to each 50 gallons of water. For the small garden to control mildew, rust, etc., use 3 tablespoonfuls to 1 gallon of water. **1 lb.**, 35c; **5 lbs.**, \$1.50; **10 lbs.**, \$2.50; **25 lbs.**, \$4.50.

**NICOTINE PYROX.** A complete spray material that will kill both leaf eating and sucking insects, including plant lice, etc. Also controls blight and mildew on plants. High recommended. **10-oz. jar.**, 50c.

## MOLOGEN

(Trade Mark)

### MOLE KILLER

Non-Poisonous Powder

Full directions on each can. **1/2-lb. can.**, 50c; **1 1/2-lb. can.**, \$1.25; **5-lb. can.**, \$4.00.

**PLANTGARD.** (Powder). A very effective non-poisonous insect powder for destroying worms and insects of all kinds. Fine for vegetables and flowers. **14-oz. box.**, 35c; **1 1/2-lb. box.**, 60c; **5-lb. pkr.**, \$1.00.

**PARIS GREEN.** A very effective poison for potato bugs, tobacco and other leaf-eating insects. When applied dry, use 1 part of Paris Green to 100 parts of plaster or flour. As a liquid, use 1 pound to 50 gallons of water. **1/4 lb.**, 20c; **1 lb.**, 50c.

**PYROX (Paste).** A combination of Bordeaux Mixture and Arsenate of Lead, thereby forming a remedy for fungus and leaf-eating insects. Mixes easily in cold water. Sticks to the foliage. **1 lb.**, 50c; **5 lbs.**, \$1.75.

**RED ARROW.** A very effective non-poisonous spray that kills both sucking and chewing insects. 1 oz. will make from 4 to 8 gallons of spray solution. Will not burn or stain the foliage. **1 oz.**, 35c; **4 ozs.**, \$1.00.

**SHEPS PLANT SPRAY.** A non-poisonous effective spray that kills both sucking and chewing insects. Easy to mix. Will not burn the most delicate plants. **2 ozs.**, 35c; **8 ozs.**, 75c; **pt.**, \$1.25; **qt.**, \$2.00.

**SULPHUR (Also called Flowers of Sulphur).** (Powder). For mildew, etc., on flower plants, shrubs, and other plants. Used as a dust. **1 lb.**, 15c; **5 lbs.**, 60c; **10 lbs.**, \$1.00; **25 lbs.**, \$2.25.

**SURE NOXEM (Powder).** One of the best vegetable insecticides in use. Very effective for destroying worms and insects. Use on cabbage, cauliflower, tomato plants, vegetables and flowers of all kinds. Simply dust it on out of the sifter-top can. **1 lb.**, 25c.

**TEROGEN (Autumn-Winter Ground Dressing and Soil Disinfectant).** Terogen destroys the spores of fungi of most diseases that have fallen to the ground, as well as the larvae of most insects, including the rose pith borers, rose bugs, aphid and most beetles. Also acts as a fertilizer. Makes sturdy, healthy foliage and prevents chlorosis (yellowing of the leaves). One pound is sufficient for one application for 3 to 5 rose bushes. **1 lb.**, 75c; **2 lbs.**, \$1.25; **5 lbs.**, \$2.75; **10 lbs.**, \$4.75; **25 lbs.**, \$11.00.

**TOBACCO DUST.** Much used for dusting and fumigating. **1 lb.**, 15c; **5 lbs.**, 50c; **10 lbs.**, 80c; **25 lbs.**, \$1.75.

**TREE TANGLEFOOT.** A paste preparation for painting around the trunks of trees in the form of a band. Caterpillars and other crawling insects cannot get over it. **1 lb.**, 60c; **5 lbs.**, \$2.75.

**VOLCK.** The scientific insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bugs, white flies, red spiders, rust mites, aphid and thrips. **1/2 pt.**, 50c; **1 pt.**, 75c; **1 qt.**, \$1.00; **1 gal.**, \$3.00.



## RIP

The Master Rainmaker

A self-adjusting, simple and the most efficient and economical lawn sprinkler made; has only one moving part, guaranteed against any defect; will not clog or corrode. Just stick the spike in the ground, turn on the water and see the 50 feet diameter circle of perfect raindrops on 50 pounds pressure. Will operate efficiently on as low as ten pounds pressure. So simple and fool proof you can not believe it without a trial. Sold on a Money-Back Guarantee. Price, \$1.00.

# DUBAY SEED DISINFECTANTS INCREASE your FARM PROFITS and GARDENING PLEASURES

## by Preventing Seed-Borne Disease Losses

Regardless of the care taken in the preparation of the seed bed and the selection of the seed, field crop and garden failures may result from attacks of seed-borne diseases. These losses and disappointments may be easily avoided by disinfection of the seed before planting. It is estimated that one or more of some 200 disease organisms are commonly carried on farm and truck crop seeds. The Du Bay Seed Disinfectants now enable you to prevent loss from many of these seed-borne diseases easily, inexpensively and quickly without seed injury. Treat all seeds before planting with the proper Du Bay Seed Disinfectants.

### SEMESAN—for flower and vegetable seeds

Diseases carried on the seed often reduce germination and cause poor stand, lowered quality and unsatisfactory yields. Destroy these disease organisms without injuring the seed by treating your seeds, bulbs, roots, corms and tubers with Semesan. Easily and quickly applied as a dust or liquid. Effective in controlling damping-off of seedlings and cuttings. Use Semesan to control seed-borne diseases and improve your vegetables and flowers.

### SEMESAN BEL—for seed potatoes

Prevent seed-borne disease losses by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. No time-consuming soaking necessary. Semesan Bel is effective in controlling such destructive seed-borne diseases as scab, rhizoctonia and black leg. Protects the seed piece against rotting by soil-borne organisms. Improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed.

#### SEMESAN

2 oz. tin.....	\$ .50
1 lb. tin.....	2.75
5 lb. tin.....	13.00

#### SEMESAN BEL

4 oz. tin.....	\$ .50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

Du Bay Seed Disinfectants are poisonous and, under present postal regulations, must be sent by express or freight.



### Seed Disinfectants

#### SEMESAN JR.

4 oz. tin.....	\$ .50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

#### CERESAN

1 lb. tin.....	\$ .75
5 lb. tin.....	3.00
25 lb. pail.....	12.50



Increase at rate of 21.7 bushels per acre caused by Semesan Jr. seed treatment



Note the great improvement in stand and vigor of growth of the Semesan Bel treated plants at left



Ceresan controlled stinking smut of wheat in this severe test

### SEMESAN JR.—for seed field and field corn

A simple, quick, inexpensive dust treatment with Semesan Jr. destroys harmful disease organisms on the seed, protects seed from rotting in cold wet soil, controls seedling blight, reduces root and stalk rots and generally increases crop yields. Harmless to seed corn. Does not slow up rate of drop. Only 2 ounces necessary per bushel of seed field or sweet corn. Costs only  $2\frac{1}{2}$ ¢ an acre.

### CERESAN—for seed grains

Ceresan is effective in controlling stinking smut and seed-borne flag smut of wheat; seedling blight of cereals caused by seed-borne scab; smuts of oats; covered smut and stripe of barley; kernel smuts of sorghums and millet; and seed-borne stem smut of rye. Ceresan is harmless to seed and does not injure grain drills. Use it to increase your grain yields and profits. Only 2 ounces needed per bushel of seed wheat, rye sorghums or millet and 3 ounces for oats and barley.

### SEMESAN JR.

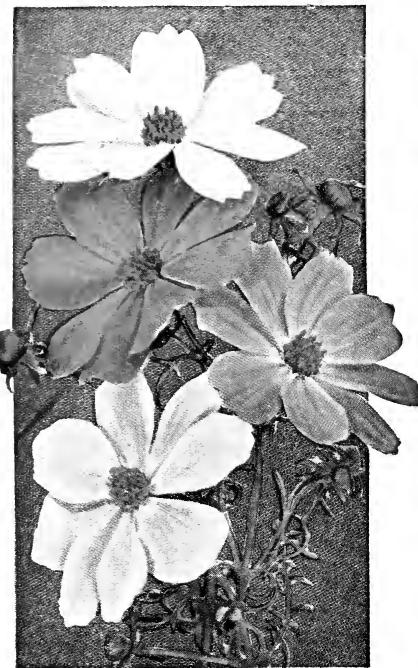
4 oz. tin.....	\$ .50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

### CERESAN

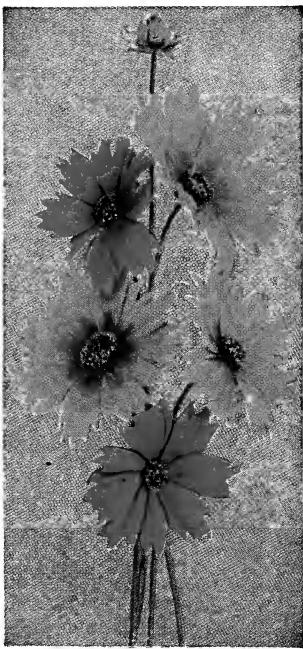
1 lb. tin.....	\$ .75
5 lb. tin.....	3.00
25 lb. pail.....	12.50



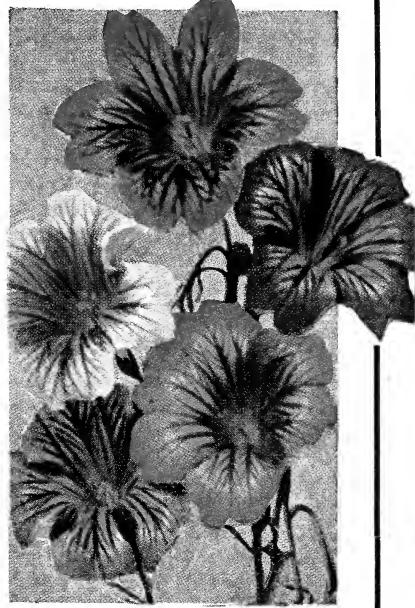
1. Semesan treated gladiolus. 2. Untreated gladiolus. 3. Formaldehyde treated gladiolus



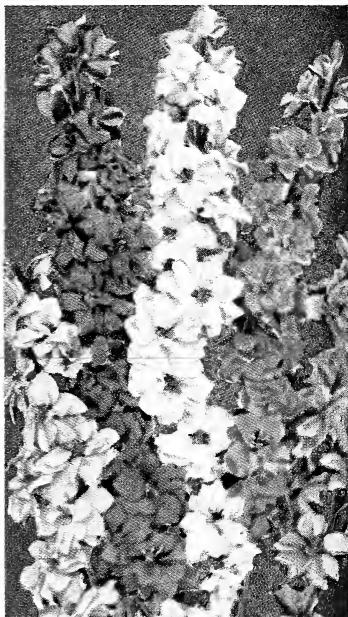
Cosmos.



Calliopsis.

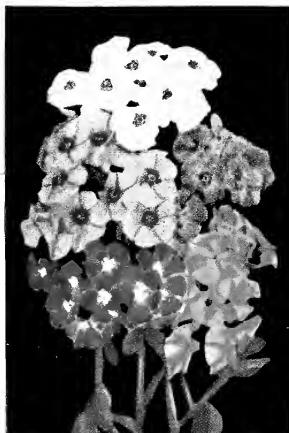


Salpiglossis.



Larkspur.

**Season 1932**  
**HOLLAND -**  
**AMERICAN**  
**SEED CO.**



Phlox.



Scabiosa.



100-lb. bag, \$5.00  
50-lb. bag, 3.00

A SWIFT & COMPANY

25-lb. bag, \$1.75  
10-lb. bag, .85

PRODUC T

## Our Customers Speak Highly of VIGORO

Our customers continually tell us of the wonderful results that they secure through the use of VIGORO on lawns, gardens, flowers, shrubbery, and trees.

VIGORO is specially prepared to supply growing things with all of the plant food elements needed for rapid, luxuriant growth.

VIGORO is odorless, clean and easy to apply. It can be sown by hand like grass seed.

**VIGORO**  
*Specially prepared plant food*